

#### DS-TDSB0G-FK/120m 120m Security Radar













DS-TDSB0G-FK/120m security radar, which adopts with radar technology including phased array technology, low-power FMCW modulation technology, is ideal choose for intrusion detection even in challenging conditions like darkness, fog and moderate rainfall. It can also support multi-target positioning, tracing and linking cameras for tracking and recording. Besides, the embedded deep learning algorithm in radar can be also used to detect interested objects only for human and vehicle base on the video stream from linked camera. It is recommend to be used in the prison, power station, railway, museum, airport and other security place.

- Supports getting information such as the distance, speed, and angle of the object.
- Supports target locating and trace following.
- Multi-target locking and multi-dimensional videos linkage.
- Multi-scene modes selectable. Sensitivity configurable.
- Local videos analysis recheck and pictures capture to filter the false alarms such as the swaying trees and pets.
- Supports 32 targets detection, 16 detection zones, and 4 warning lines.
- Strong environment adaptability with 24/7 all-weather working properly
- Water and dust resistant (IP67) and vandal proof (IK10).



## Specification

Working Frequency         24.05 to 24.25 GHz           Modulation Waveform         FMCW           Sweep Bandwidth         115M Hz           Scan Rate         Up to 12 time(s) per second           Horizontal Detection Angle         16°           Max. Detectable Targets         Up to 32 target(s)           Max. Detectable Targets         Up to 4 trigget line(s)           Detection Trigger Lines         Up to 4 trigget line(s)           Detection Trigger Lines         Human: 120 m,Vehicle           Detection Distance         Human: 120 m,Vehicle: 150 m           Distance Resolution         1.3 m           Distance Resolution         1.2 m           Angle Accuracy         ± 1 m           Angle Accuracy         ± 1 t           Speed Measuring Range         ± 19 to 19 m/s           Speed Measuring Range         ± 10 m/s           Speed Measuring Range         ± 10 m/s           Speed Measuring Accuracy         ± 0.1 m/s           Network         TVP/P,HTTP,HTTPS,DHCP,DNS,RTP,RTSP,NTP,JPV4/Pv6,UDP,SSL/TLS,ARP           Simultaneous Use View         Up to 32 channel(s)           API         SOK,SAPI           Security         His Central Pro           Web Browser         Chrome V51+, 169 to 1611, Firefox V41+, Edge	Radar				
Sweep Bandwidth         115M Hz           Scan Rate         Up to 12 time(s) per second           Horizontal Detection Angle         120"           Vertical Detection Angle         16"           Max. Detectable Targets         Up to 32 target(s)           Max. Detection Trigger Lines         Up to 4 trigger line(s)           Detection Trigger Lines         Up to 4 trigger line(s)           Detection Distance         Human, Wehicle           Detection Distance         Human, Wehicle           Distance Resolution         1.3 m           Distance Measurement Accuracy         ± 1 m           Angle Resolution         12"           Angle Resolution         12"           Speed Measuring Range         - 19 to 19 m/s           Speed Measuring Range         - 19 to 19 m/s           Speed Measuring Accuracy         ± 0.1 m/s           Network         Protocols         TCP/IP,HTTP,HTTPS,DHCP,DNS,RTP,RTSP,NTP,IPV4/IPV6,UDP,SSL/TLS,ARP           Simultaneous Live View         Up to 16 users,3 user levels: administrator, operator, and user           Password protection,Complicated password,HTTPS encryption,Basic and digest           Security         authentication for HTTP/HTTPS,RTSP over HTTPS,Control timeout settings,TLS           Security         Li, Joest authentication (MAC address)      <	Working Frequency	24.05 to 24.25 GHz			
Scan Rate Up to 12 time(s) per second  Horizontal Detection Angle 120°  Vertical Detection Angle 16°  Max. Detectable Targets Up to 32 target(s)  Max. Detectable Targets Up to 16 zone(s)  Max. Detectable Zones Up to 16 zone(s)  Max. Detection Trigger Lines Up to 4 trigger line(s)  Detection Target Type Human, Vehicle  Detection Distance Human: 120 m, Vehicle: 150 m  Distance Resolution 13 m  Distance Measurement Accuracy ± 1 m  Angle Resolution 12°  Angle Accuracy ± 1°  Speed Measuring Range 19 to 19 m/s  Speed Measuring Range 19 to 19 m/s  Speed Measuring Accuracy ± 1.1 m/s  Network  Protocols TcP/IP, HTTP, HTTPS, DHCP, DNS, RTP, RTSP, NTP, IPv4/IPv6, UDP, SSL/TLS, ARP  Simultaneous Live View Up to 32 channel(s)  API SDK, ISAPI  User/Host Up to 16 users, 3 user levels: administrator, operator, and user  Password protection, Complicated pass word, HTTPS encryption, Basic and digest authentication for HTTP/HTTPS, RTP, RTSP, NTP, PSC, Ontrol timeout settings, TLS  L2, Host authentication (MAC address)  Client Hik-Central Pro  Web Browse Chrome V61+, IES to IE11, Firefox V41+, Edge  Interface  Network Interface 1 RA5 10 M/100 M/1000 M self-adaptive Ethernet port(s)  On-Board Storage Built-in 1286 memory card  Alarm 1 input, 4 Relay output(s) (max. 30 VDC/125 VAC, 1 A)  RS-485  RS-232 In RS-232  In RS-235  Indicator Supported  Function  Radar + PTZ Smart Tracking Supported  Zone Settings Warning zone, Early warning zone, Disable zone  Tracking Mode Expert mode, Open mode, Shrub mode  Map Management DC SUpported  Power DC SC SC SC A, Max. 24 W, two-core terminal block,	Modulation Waveform	FMCW			
Horizontal Detection Angle 120° Vertical Detection Angle 16° Max. Detectable Targets Up to 32 target(s) Max. Detectable Zones Up to 16 zone(s) Max. Detection Target Unes Up to 4 trigger line(s) Detection Target Type Human, Vehicle Detection Distance Human: 120 m, Vehicle: 150 m Distance Resolution 1.3 m Distance Resolution 12° Angle Resolution 12° Speed Measuring Range 19 to 19 m/s Speed Measuring Range 19 to 19 m/s Speed Measuring Accuracy ± 1.1 m Angle Resolution 0.0.75 m/s Speed Measuring Accuracy ± 0.1 m/s Network  Protocols 1CP/IP, HTTP, HTTPS, DHCP, DNS, RTP, RTSP, NTP, IPV4/IPV6, UDP, SSL/TLS, ARP SImultaneous Live View Up to 32 channel(s) API SDK, SAPI Up to 16 users, 3 user levels: administrator, operator, and user Password protection, Complicated pass word, HTTPS, Control timeout settings, TLS 1.2, Host suthentication (fmAC address) Client Hik-Central Pro Web Browser Chrome V61+, IE9 to IE11, Firefox V41+, Edge Interface  Network Interface 1 RIA5 10 M/100 M/1000 M self-adaptive Ethernet port(s) On-Board Storage Built-in 1286 memory card Alarm 1 input, 4 Relay output(s) (max. 30 VDC/125 VAC, 1 A ) RS-485 1 RS-485 SR-232 1 RS-232 Indicator Supported  Function  Radar + PTZ Smart Tracking Supported  Zone Settings Warning zone, Early warning zone, Disable zone Tracking Mode Expert mode, Open mode, Shrub mode Map Management Supported  Power DC SG V± 25%, 0.67 A, max. 24 W, two-core terminal block,	Sweep Bandwidth	115M Hz			
Vertical Detection Angle  Max. Detectable Targets  Max. Detectable Targets  Up to 32 target(s)  Max. Detectable Targets  Up to 16 zone(s)  Max. Detection Trigger Lines  Up to 4 trigger line(s)  Detection Target Type  Human, Vehicle  Detection Distance  Human: 120 m, Vehicle: 150 m  Distance Resolution  1.3 m  Distance Measurement Accuracy  ± 1 m  Angle Resolution  12°  Angle Accuracy  ± 1 s  Speed Measuring Range  - 19 to 19 m/s  Speed Measuring Accuracy  ± 0.1 m/s  Network  Protocols  TCP/IP, HTTP, HTTPS, DHCP, DNS, RTP, RTSP, NTP, IPv4/IPv6, UDP, SSL/TLS, ARP  Simultaneous Live View  Up to 32 channel(s)  API  SSK, SAPI  User/Host  Up to 16 users, 3 user levels: administrator, operator, and user  Password protection, Complicated password, HTTPS encryption, Basic and digest authentication for HTTP/HTTPS, RTP/RTSP over HTTPS, Control timeout settings, TLS  1.2. Host authentication (MAC address)  Client  Hik-Central Pro  Web Browser  Chrome V61+, 1E9 to IE11, Firefox V41+, Edge  Interface  Network Interface  1 RJA5 10 M/100 M/1000 M/1000 M self-adaptive Ethernet port(s)  On-Board Storage  Built-in 128G memory card  Alarm  1 input, 4 Relay output(s)(max. 30 VDC/125 VAC, 1 A)  RS-485  RS-232  1 RS-232  1 RS-323  1 RS-323  1 RS-485  RS-485  Warning zone, Early warning zone, Disable zone  Tracking Mode  Expert mode, Open mode, Shrub mode  Map Management  Supported  Foneral  Power  DC 36 V ± 25%, 0.67 A, max. 24 W, two-core terminal block,	Scan Rate	Up to 12 time(s) per second			
Max. Detectable Targets Up to 32 target(s)  Max. Detectable Zones Up to 16 zone(s)  Max. Detection Trigger Lines Up to 4 trigger line(s)  Detection Target Type Human. Vehicle  Detection Distance Human: 120 m, Vehicle: 150 m  Distance Resolution 1.3 m  Distance Measurement Accuracy ± 1 m  Angle Resolution 12°  Angle Accuracy ± 1°  Speed Measuring Range - 19 to 19 m/s  Speed Measuring Accuracy ± 0.1 m/s  Network  Protocols CP/IP, HTTP, HTTPS, DHCP, DNS, RTP, RTSP, NTP, IPV4/IPV6, UDP, SSL/TLS, ARP  Simultaneous Live View Up to 32 channel(s)  Serurity Up to 16 users, 3 user levels: administrator, operator, and user user ustentiation for HTTP/HTTPS, DHCR/DMF/FRTPRTPS Porer HTTPS, Control timeout settings, TLS  1.2. Host authentication (MAC address)  Client Hik-Central Pro  Web Browser Chrome V61+, IE9 to IE11, Firefox V41+, Edge  Interface  Network Interface 1 RJ45 10 M/100 M/1000 M self-adaptive Ethernet port(s)  On-Board Storage Built-in 128G memory card  Alarm 1 input, 4 Relay output(s) (max. 30 VOC/125 VAC, 1 A)  RS-485 RS-232 1 RS-232  Indicator Supported  Function  Function  Facility Range priority, Multi-target auto switch, Target trigger priority  Scene Mode Expert mode, Open mode, Shrub mode  Map Management DC36 V± 25%, 0.67 A, max. 24 W, two-core terminal block,	Horizontal Detection Angle	120°			
Max. Detectable Zones  Max. Detection Trigger Lines  Detection Target Type  Human, Vehicle  Detection Distance  Human, Vehicle  Distance Resolution  1.3 m  Distance Measurement Accuracy  £ 1 m  Angle Resolution  1.2 *  Angle Resolution  0.075 m/s  Speed Measuring Range  - 19 to 19 m/s  Speed Measuring Raccuracy  £ 1.0 *  Network  Protocols  TCP/IP,HTTP,HTTPS,DHCP,DNS,RTP,RTSP,NTP,IPV4/IPV6,UDP,SSL/TLS,ARP  Simultaneous Live View  Up to 32 channel(s)  SPAPI  User/Host  Up to 16 users,3 user levels: administrator, operator, and user  Password protection, Complicated password,HTTPS encryption,Basic and digest authentication for HTTP/HTTPS,RTP/RTSP over HTTPS,Control timeout settings,TLS  1.2,Host authentication (MAC address)  Client  Hik-Central Pro  Web Browser  Chrome V61+, IE9 to IE11, Firefox V41+, Edge  Interface  Network Interface  1 RJ45 10 M/100 M/1000 M self-adaptive Ethernet port(s)  On-Board Storage  Built-in 128G memory card  Alarm  1 input, 4 Relay output(s) (max. 30 VDC/125 VAC, 1 A)  RS-485  RS-232  1 RS-232  1 RS-232  1 RS-232  1 RS-232  1 RS-235  RS-235  RS-245  RS-245  RS-246  Supported  Zone Settings  Warning zone, Early warning zone, Disable zone  Tracking Mode  Time priority, Range priority, Multi-target auto switch, Target trigger priority  Scene Mode  Expert mode, Open mode, Shrub mode  Map Management  DC 36 V ± 25%, 0.67 A, max. 24 W, two-core terminal block,	Vertical Detection Angle	16°			
Max. Detection Trigger Lines         Up to 4 trigger line(s)           Detection Target Type         Human, Vehicle           Distance Resolution         1.3 m           Distance Resolution         12°           Angle Resolution         12°           Angle Accuracy         ± 1°           Speed Measuring Range         -19 to 19 m/s           Speed Measuring Accuracy         ± 0.1 m/s           Network           Forticols           TCP/IP,HTTP,HTTPS,DHCP,DNS,RTP,RTSP,NTP,IPV4/IPV6,UDP,SSL/TLS,ARP           Simultaneous Live View         Up to 32 channel(s)           API         SDK,JSAPI           User/Host         Up to 16 users,3 user levels: administrator, operator, and user           Security         password protection,Complicated password,HTTPS encryption,Basic and digest           authentication for HTTP/HTTPS,RTP/RTSP over HTTPS,Control timeout settings,TLS           1.2,Host authentication (MAC address)           Client         Hik-Central Pro           Web Browser         Chrome V61+, IE9 to IE11, Firefox V41+, Edge           Interface         I RJ45 10 M/100 M/1000 M self-adaptive Ethernet port(s)           On-Board Storage         Built-in 128G memory card           Alarm         1 input, 4 Relay output(s)(max. 30 VDC/125 VAC, 1 A)           RS	Max. Detectable Targets	Up to 32 target(s)			
Detection Target Type	Max. Detectable Zones	Up to 16 zone(s)			
Detection Distance Human: 120 m,Vehicle: 150 m  Distance Resolution 1.3 m  Distance Measurement Accuracy ± 1 m  Angle Recolution 12°  Angle Recolution 20.075 m/s  Speed Measuring Range - 19 to 19 m/s  Speed Measuring Accuracy ± 0.1 m/s  Network  Protocols TCP/IP,HTTP,HTTP,DHCP,DNS,RTP,RTSP,NTP,IPv4/IPv6,UDP,SSL/TLS,ARP  Simultaneous Live View Up to 32 channel(s)  API SDK,ISAPI  User/Host Up to 16 users, 3 user levels: administrator, operator, and user  Password protection,Complicated password,HTTPS encryption,Basic and digest authentication for HTTP/HTTPS,RTP/RTSP over HTTPS,Control timeout settings,TLS 1.2,Host authentication (MAC address)  Client Hik-Central Pro  Web Browser Chrome V61+, IE9 to IE11, Firefox V41+, Edge  Interface  Network Interface 1 RJ45 10 M/100 M/1000 M self-adaptive Ethernet port(s)  On-Board Storage Built-in 128G memory card  Alarm 1 input, 4 Relay output(s)(max. 30 VDC/125 VAC, 1 A)  RS-485 1 RS-485  RS-232 1 RS-232  Indicator Supported  Function  Radar + PTZ Smart Tracking Supported  Zone Settings Warning zone,Early warning zone,Disable zone  Tracking Mode Expert mode,Open mode,Shrub mode  Map Management Supported  General  Dower DC 36 V ± 25%, 0.67 A, max. 24 W, two-core terminal block,	Max. Detection Trigger Lines	Up to 4 trigger line(s)			
Distance Resolution 1.3 m  Distance Measurement Accuracy ± 1 m  Angle Resolution 12*  Angle Accuracy ± 1*  Speed Measuring Range - 19 to 19 m/s  Speed Measuring Accuracy ± 0.1 m/s  Network  Protocols TCP/IP,HTTP,HTTPS,DHCP,DNS,RTP,RTSP,NTP,IPv4/IPv6,UDP,SSL/TLS,ARP  Simultaneous Live View Up to 32 channel(s)  API SDK,ISAPI  User/Host Up to 16 users,3 user levels: administrator, operator, and user  Password protection,Complicated password,HTTPS encryption,Basic and digest authentication for HTTP/HTTPS,RTP/RTSP over HTTPS,Control timeout settings,TLS 1.2,Host authentication (MAC address)  Client Hik-Central Pro  Web Browser Chrome V61+, IE9 to IE11, Firefox V41+, Edge  Interface  Network Interface 1 RJ45 10 M/100 M/1000 M self-adaptive Ethernet port(s)  On-Board Storage Built-in 128G memory card  Alarm 1 input, 4 Relay output(s)(max. 30 VDC/125 VAC, 1 A )  RS-485 1 RS-485  RS-232 1 RS-232  Indicator Supported  Function  Function  Radar + PTZ Smart Tracking Supported  Zone Settings Warning zone,Early warning zone,Disable zone  Tracking Mode Time priority,Range priority,Multi-target auto switch,Target trigger priority  Scene Mode Expert mode,Open mode,Shrub mode  Map Management DC 36 V ± 25%, 0.67 A, max. 24 W, two-core terminal block,	Detection Target Type	Human, Vehicle			
Distance Measurement Accuracy	Detection Distance	Human: 120 m,Vehicle: 150 m			
Angle Resolution 12° Angle Accuracy ±1° Speed Measuring Range -19 to 19 m/s Speed Resolution 0.075 m/s Speed Measuring Accuracy ±0.1 m/s Network Protocols TCP/IP,HTTP,HTTPS,DHCP,DNS,RTP,RTSP,NTP,IPV4/IPV6,UDP,SSL/TLS,ARP Simultaneous Live View Up to 32 channel(s) API SDK,ISAPI User/Host Up to 16 users,3 user levels: administrator, operator, and user Password protection,Complicated password,HTTPS encryption,Basic and digest authentication for HTTP/HTTPS,RTP/RTSP over HTTPS,Control timeout settings,TLS 12,Host authentication (MAC address) Client Hik-Central Pro Web Browser Chrome V61+, IE9 to IE11, Firefox V41+, Edge Interface Network Interface 1 RJA5 10 M/100 M/1000 M self-adaptive Ethernet port(s) On-Board Storage Built-in 128G memory card Alarm 1 input, 4 Relay output(s)(max. 30 VDC/125 VAC, 1 A) RS-485 1 RS-485 RS-232 1 RS-232 Indicator Supported Function Radar + PTZ Smart Tracking Supported Zone Settings Warning zone,Early warning zone,Disable zone Tracking Mode Time priority,Range priority,Multi-target auto switch,Target trigger priority Scene Mode Expert mode,Open mode,Shrub mode Map Management DC 36 V ± 25%, 0.67 A, max. 24 W, two-core terminal block,	Distance Resolution	1.3 m			
Angle Accuracy # 1 ° Speed Measuring Range - 19 to 19 m/s Speed Resolution 0.075 m/s Speed Measuring Accuracy # 0.1 m/s  Network  Protocols TCP/IP,HTTP,HTTPS,DHCP,DNS,RTP,RTSP,NTP,IPv4/IPv6,UDP,SSL/TLS,ARP Simultaneous Live View Up to 32 channel(s) API SDK,ISAPI User/Host Up to 16 users,3 user levels: administrator, operator, and user Password protection,Complicated password,HTTPS encryption,Basic and digest authentication for HTTP/HTTPS,RTP/RTSP over HTTPS,Control timeout settings,TLS 1.2,Host authentication (MAC address)  Client Hik-Central Pro Web Browser Chrome V61+, IE9 to IE11, Firefox V41+, Edge Interface Network Interface 1 RJ45 10 M/100 M/1000 M self-adaptive Ethernet port(s) On-Board Storage Built-in 128G memory card Alarm 1 input, 4 Relay output(s)(max. 30 VDC/125 VAC, 1 A) RS-485 RS-232 1 RS-232 Indicator Supported  Function  Radar + PTZ Smart Tracking Supported  Tracking Mode Expert mode,Open mode,Shrub mode Map Management Supported  General  Power DC 36 V ± 25%, 0.67 A, max. 24 W, two-core terminal block,	Distance Measurement Accuracy	±1m			
Speed Measuring Range -19 to 19 m/s  Speed Resolution 0.075 m/s  Speed Measuring Accuracy ± 0.1 m/s  Network  Protocols TCP/IP,HTTP,HTTPS,DHCP,DNS,RTP,RTSP,NTP,IPv4/IPv6,UDP,SSL/TLS,ARP  Simultaneous Live View Up to 32 channel(s)  API SDK,ISAPI  User/Host Up to 16 users,3 user levels: administrator, operator, and user  Password protection,Complicated password,HTTPS encryption,Basic and digest  Security authentication fr HTTP/HTTPS,RTP/RTSP over HTTPS,Control timeout settings,TLS 1.2,Host authentication (MAC address)  Client Hik-Central Pro  Web Browser Chrome V61+, IE9 to IE11, Firefox V41+, Edge  Interface  Network Interface 1 RJ45 10 M/100 M/1000 M self-adaptive Ethernet port(s)  On-Board Storage Built-in 128G memory card  Alarm 1 input, 4 Relay output(s)(max. 30 VDC/125 VAC, 1 A)  RS-485 1 RS-485  RS-232 1 RS-232  Indicator Supported  Function  Radar + PTZ Smart Tracking Supported  Function  Radar + PTZ Smart Tracking Supported  Scene Mode Expert mode,Open mode,Shrub mode  Map Management Supported  General  DC 36 V ± 25%, 0.67 A, max. 24 W, two-core terminal block,	Angle Resolution	12°			
Speed Resolution 0.075 m/s  Speed Measuring Accuracy ± 0.1 m/s  Network  Protocols TCP/IP,HTTP,HTTPS,DHCP,DNS,RTP,RTSP,NTP,IPv4/IPv6,UDP,SSL/TLS,ARP  Simultaneous Live View Up to 32 channel(s)  API SDK,ISAPI  User/Host Up to 16 users,3 user levels: administrator, operator, and user  Password protection,Complicated password,HTTPS encryption,Basic and digest authentication for HTTP/HTTPS,RTP/RTSP over HTTPS,Control timeout settings,TLS 1.2,Host authentication (MAC address)  Client Hik-Central Pro  Web Browser Chrome V61+, IE9 to IE11, Firefox V41+, Edge  Interface  Network Interface 1 RJ45 10 M/100 M/1000 M self-adaptive Ethernet port(s)  On-Board Storage Built-in 1286 memory card  Alarm 1 input, 4 Relay output(s)(max. 30 VDC/125 VAC, 1 A )  RS-485 1 RS-485  RS-232 1 RS-232  Indicator Supported  Function  Radar + PTZ Smart Tracking Supported  Zone Settings Warning zone, Early warning zone, Disable zone  Tracking Mode Time priority, Range priority, Multi-target auto switch, Target trigger priority  Scene Mode Expert mode, Open mode, Shrub mode  Map Management DC 36 V ± 25%, 0.67 A, max. 24 W, two-core terminal block,	Angle Accuracy	±1°			
Speed Measuring Accuracy	Speed Measuring Range	- 19 to 19 m/s			
Network           Protocols         TCP/IP,HTTP,HTTPS,DHCP,DNS,RTP,RTSP,NTP,IPv4/IPv6,UDP,SSL/TLS,ARP           Simultaneous Live View         Up to 32 channel(s)           API         SDK,ISAPI           User/Host         Up to 16 users,3 user levels: administrator, operator, and user           Password protection,Complicated password,HTTPS encryption,Basic and digest           authentication for HTTP/HTTPS,RTP/RTSP over HTTPS,Control timeout settings,TLS           1.2,Host authentication (MAC address)           Client         Hik-Central Pro           Web Browser         Chrome V61+, IE9 to IE11, Firefox V41+, Edge           Interface         1 RJ45 10 M/100 M/1000 M self-adaptive Ethernet port(s)           On-Board Storage         Built-in 128G memory card           Alarm         1 input, 4 Relay output(s)(max. 30 VDC/125 VAC, 1 A)           RS-485         1 RS-485           RS-232         1 RS-232           Indicator         Supported           Function         Warning zone,Early warning zone,Disable zone           Tracking Mode         Time priority,Range priority,Multi-target auto switch,Target trigger priority           Scene Mode         Expert mode,Open mode,Shrub mode           Map Management         DC 36 V ± 25%, 0.67 A, max. 24 W, two-core terminal block,	Speed Resolution	0.075 m/s			
Protocols TCP/IP,HTTP,HTTPS,DHCP,DNS,RTP,RTSP,NTP,IPv4/IPv6,UDP,SSL/TLS,ARP  Simultaneous Live View Up to 32 channel(s)  API SDK,ISAPI  User/Host Up to 16 users,3 user levels: administrator, operator, and user  Password protection,Complicated password,HTTPS encryption,Basic and digest  authentication for HTTP/HTTPS,RTP/RTSP over HTTPS,Control timeout settings,TLS 1.2,Host authentication (MAC address)  Client Hik-Central Pro  Web Browser Chrome V61+, IE9 to IE11, Firefox V41+, Edge  Interface  Network Interface 1 RJ45 10 M/100 M/1000 M self-adaptive Ethernet port(s)  On-Board Storage Built-in 128G memory card  Alarm 1 input, 4 Relay output(s)(max. 30 VDC/125 VAC, 1 A )  RS-485 1 RS-485  RS-232 1 RS-232  Indicator Supported  Function  Radar+PTZ Smart Tracking Supported  Zone Settings Warning zone,Early warning zone,Disable zone  Tracking Mode Time priority,Range priority,Multi-target auto switch,Target trigger priority  Scene Mode Expert mode,Open mode,Shrub mode  Map Management Supported  General  DC 36 V ± 25%, 0.67 A, max. 24 W, two-core terminal block,	Speed Measuring Accuracy	± 0.1 m/s			
Simultaneous Live View Up to 32 channel(s)  API SDK,ISAPI User/Host Up to 16 users,3 user levels: administrator, operator, and user Password protection,Complicated password,HTTPS encryption,Basic and digest authentication for HTTP/HTTPS,RTP/RTSP over HTTPS,Control timeout settings,TLS 1.2,Host authentication (MAC address)  Client Hik-Central Pro Web Browser Chrome V61+, IE9 to IE11, Firefox V41+, Edge Interface Network Interface 1 R,45 10 M/100 M/1000 M self-adaptiveEthernet port(s) On-Board Storage Built-in 128G memory card Alarm 1 input, 4 Relay output(s)(max. 30 VDC/125 VAC, 1 A) RS-485 1 RS-485 RS-232 1 RS-232 Indicator Supported  Function  Fadar + PTZ Smart Tracking Supported Zone Settings Warning zone,Early warning zone,Disable zone Tracking Mode Time priority,Range priority,Multi-target auto switch,Target trigger priority Scene Mode Expert mode,Open mode,Shrub mode Map Management Supported  General  DC 36 V ± 25%, 0.67 A, max. 24 W, two-core terminal block,	Network				
API SDK,ISAPI User/Host Up to 16 users,3 user levels: administrator, operator, and user Password protection,Complicated password,HTTPS encryption,Basic and digest authentication for HTTP/HTTPS,RTP/RTSP over HTTPS,Control timeout settings,TLS 1.2,Host authentication (MAC address)  Client Hik-Central Pro Web Browser Chrome V61+, IE9 to IE11, Firefox V41+, Edge  Interface  Network Interface 1 RJ45 10 M/100 M/1000 M self-adaptive Ethernet port(s)  On-Board Storage Built-in 128G memory card  Alarm 1 input, 4 Relay output(s)(max. 30 VDC/125 VAC, 1 A)  RS-485 1 RS-485 RS-232 1 RS-232 Indicator Supported  Function  Radar + PTZ Smart Tracking Supported  Zone Settings Warning zone,Early warning zone,Disable zone  Tracking Mode Time priority,Range priority,Multi-target auto switch,Target trigger priority  Scene Mode Expert mode,Open mode,Shrub mode  Map Management Supported  General  DC 36 V ± 25%, 0.67 A, max. 24 W, two-core terminal block,	Protocols	TCP/IP,HTTP,HTTPS,DHCP,DNS,RTP,RTSP,NTP,IPv4/IPv6,UDP,SSL/TLS,ARP			
Up to 16 users,3 user levels: administrator, operator, and user  Password protection,Complicated password,HTTPS encryption,Basic and digest authentication for HTTP/HTTPS,RTP/RTSP over HTTPS,Control timeout settings,TLS 1.2,Host authentication (MAC address)  Client Hik-Central Pro  Web Browser Chrome V61+, IE9 to IE11, Firefox V41+, Edge  Interface  Network Interface 1 RJ45 10 M/100 M/1000 M self-adaptive Ethernet port(s)  On-Board Storage Built-in 128G memory card  Alarm 1 input, 4 Relay output(s)(max. 30 VDC/125 VAC, 1 A)  RS-485 1 RS-485  RS-232 1 RS-232  Indicator Supported  Function  Radar + PTZ Smart Tracking Supported  Zone Settings Warning zone,Early warning zone,Disable zone  Tracking Mode Time priority,Range priority,Multi-target auto switch,Target trigger priority  Scene Mode Expert mode,Open mode,Shrub mode  Map Management Supported  General  DC 36 V ± 25%, 0.67 A, max. 24 W, two-core terminal block,	Simultaneous Live View	Up to 32 channel(s)			
Password protection, Complicated password, HTTPS encryption, Basic and digest authentication for HTTP/HTTPS, RTP/RTSP over HTTPS, Control timeout settings, TLS 1.2, Host authentication (MAC address)  Client Hik-Central Pro  Web Browser Chrome V61+, IE9 to IE11, Firefox V41+, Edge  Interface  Network Interface 1 RJ45 10 M/100 M/1000 M self-adaptive Ethernet port(s)  On-Board Storage Built-in 128G memory card  Alarm 1 input, 4 Relay output(s) (max. 30 VDC/125 VAC, 1 A)  RS-485 1 RS-485  RS-232 1 RS-232  Indicator Supported  Function  Radar + PTZ Smart Tracking Supported  Zone Settings Warning zone, Early warning zone, Disable zone  Tracking Mode Time priority, Range priority, Multi-target auto switch, Target trigger priority  Scene Mode Expert mode, Open mode, Shrub mode  Map Management Supported  General  DC 36 V ± 25%, 0.67 A, max. 24 W, two-core terminal block,	API	SDK,ISAPI			
Security  authentication for HTTP/HTTPS,RTP/RTSP over HTTPS,Control timeout settings,TLS  1.2,Host authentication (MAC address)  Client  Hik-Central Pro  Web Browser  Chrome V61+, IE9 to IE11, Firefox V41+, Edge  Interface  Network Interface  1 RJ45 10 M/100 M/1000 M self-adaptive Ethernet port(s)  On-Board Storage  Built-in 128G memory card  Alarm  1 input, 4 Relay output(s)(max. 30 VDC/125 VAC, 1 A)  RS-485  RS-232  1 RS-232  Indicator  Supported  Function  Radar + PTZ Smart Tracking  Zone Settings  Warning zone,Early warning zone,Disable zone  Tracking Mode  Time priority,Range priority,Multi-target auto switch,Target trigger priority  Scene Mode  Map Management  DC 36 V ± 25%, 0.67 A, max. 24 W, two-core terminal block,	User/Host	Up to 16 users,3 user levels:administrator, operator, and user			
1.2,Host authentication (MAC address)  Client Hik-Central Pro  Web Browser Chrome V61+, IE9 to IE11, Firefox V41+, Edge  Interface  Network Interface 1 RJ45 10 M/100 M/1000 M self-adaptive Ethernet port(s)  On-Board Storage Built-in 128G memory card  Alarm 1 input, 4 Relay output(s)(max. 30 VDC/125 VAC, 1 A)  RS-485 1 RS-485  RS-232 1 RS-232  Indicator Supported  Function  Radar + PTZ Smart Tracking Supported  Zone Settings Warning zone,Early warning zone,Disable zone  Tracking Mode Time priority,Range priority,Multi-target auto switch,Target trigger priority  Scene Mode Expert mode,Open mode,Shrub mode  Map Management Supported  General  DC 36 V ± 25%, 0.67 A, max. 24 W, two-core terminal block,		Password protection, Complicated password, HTTPS encryption, Basic and digest			
Client Hik-Central Pro  Web Browser Chrome V61+, IE9 to IE11, Firefox V41+, Edge  Interface  Network Interface 1 RJ45 10 M/100 M/1000 M self-adaptive Ethernet port(s)  On-Board Storage Built-in 128G memory card  Alarm 1 input, 4 Relay output(s)(max. 30 VDC/125 VAC, 1 A )  RS-485 1 RS-485  RS-232 1 RS-232  Indicator Supported  Function  Radar + PTZ Smart Tracking Supported  Zone Settings Warning zone, Early warning zone, Disable zone  Tracking Mode Expert mode, Open mode, Shrub mode  Map Management Supported  General  DC 36 V ± 25%, 0.67 A, max. 24 W, two-core terminal block,	Security	authentication for HTTP/HTTPS,RTP/RTSP over HTTPS,Control timeout settings,TLS			
Web BrowserChrome V61+, IE9 to IE11, Firefox V41+, EdgeInterfaceIt RJ45 10 M/100 M/1000 M self-adaptive Ethernet port(s)On-Board StorageBuilt-in 128G memory cardAlarm1 input, 4 Relay output(s)(max. 30 VDC/125 VAC, 1 A )RS-4851 RS-485RS-2321 RS-232IndicatorSupportedFunctionSupportedRadar + PTZ Smart TrackingSupportedZone SettingsWarning zone,Early warning zone,Disable zoneTracking ModeTime priority,Range priority,Multi-target auto switch,Target trigger priorityScene ModeExpert mode,Open mode,Shrub modeMap ManagementSupportedGeneralDC 36 V ± 25%, 0.67 A, max. 24 W, two-core terminal block,		1.2,Host authentication (MAC address)			
Network Interface 1 RJ45 10 M/100 M/1000 M self-adaptive Ethernet port(s)  On-Board Storage Built-in 128G memory card  Alarm 1 input, 4 Relay output(s)(max. 30 VDC/125 VAC, 1 A )  RS-485 1 RS-485  RS-232 1 RS-232  Indicator Supported  Function  Radar + PTZ Smart Tracking Supported  Zone Settings Warning zone, Early warning zone, Disable zone  Tracking Mode Time priority, Range priority, Multi-target auto switch, Target trigger priority  Scene Mode Expert mode, Open mode, Shrub mode  Map Management Supported  General  DC 36 V ± 25%, 0.67 A, max. 24 W, two-core terminal block,	Client	Hik-Central Pro			
Network Interface 1 RJ45 10 M/100 M/1000 M self-adaptive Ethernet port(s)  On-Board Storage Built-in 128G memory card  Alarm 1 input, 4 Relay output(s)(max. 30 VDC/125 VAC, 1 A )  RS-485 1 RS-485  RS-232 1 RS-232  Indicator Supported  Function  Radar + PTZ Smart Tracking Supported  Zone Settings Warning zone,Early warning zone,Disable zone  Tracking Mode Time priority,Range priority,Multi-target auto switch,Target trigger priority  Scene Mode Expert mode,Open mode,Shrub mode  Map Management Supported  General  DC 36 V ± 25%, 0.67 A, max. 24 W, two-core terminal block,	Web Browser	Chrome V61+, IE9 to IE11, Firefox V41+, Edge			
On-Board Storage  Built-in 128G memory card  Alarm  1 input, 4 Relay output(s)(max. 30 VDC/125 VAC, 1 A)  RS-485  RS-232  1 RS-232  Indicator  Supported  Function  Radar + PTZ Smart Tracking  Zone Settings  Warning zone, Early warning zone, Disable zone  Tracking Mode  Time priority, Range priority, Multi-target auto switch, Target trigger priority  Scene Mode  Map Management  Supported  General  DC 36 V ± 25%, 0.67 A, max. 24 W, two-core terminal block,	Interface				
Alarm 1 input, 4 Relay output(s)(max. 30 VDC/125 VAC, 1 A )  RS-485 1 RS-485  RS-232 1 RS-232  Indicator Supported  Function  Radar + PTZ Smart Tracking Supported  Zone Settings Warning zone,Early warning zone,Disable zone  Tracking Mode Time priority,Range priority,Multi-target auto switch,Target trigger priority  Scene Mode Expert mode,Open mode,Shrub mode  Map Management Supported  General  DC 36 V ± 25%, 0.67 A, max. 24 W, two-core terminal block,	Network Interface	1 RJ45 10 M/100 M/1000 M self-adaptive Ethernet port(s)			
RS-485  RS-232  Indicator  Supported  Function  Radar + PTZ Smart Tracking  Zone Settings  Warning zone,Early warning zone,Disable zone  Tracking Mode  Time priority,Range priority,Multi-target auto switch,Target trigger priority  Scene Mode  Map Management  Supported  General  DC 36 V ± 25%, 0.67 A, max. 24 W, two-core terminal block,	On-Board Storage	Built-in 128G memory card			
RS-232 Indicator Supported  Function  Radar + PTZ Smart Tracking Supported  Zone Settings Warning zone, Early warning zone, Disable zone  Tracking Mode Time priority, Range priority, Multi-target auto switch, Target trigger priority Scene Mode Map Management Supported  General  DC 36 V ± 25%, 0.67 A, max. 24 W, two-core terminal block,	Alarm	1 input, 4 Relay output(s)(max. 30 VDC/125 VAC, 1 A )			
Indicator  Function  Radar + PTZ Smart Tracking  Supported  Zone Settings  Warning zone,Early warning zone,Disable zone  Tracking Mode  Time priority,Range priority,Multi-target auto switch,Target trigger priority  Scene Mode  Expert mode,Open mode,Shrub mode  Map Management  Supported  General  DC 36 V ± 25%, 0.67 A, max. 24 W, two-core terminal block,	RS-485	1 RS-485			
Function  Radar + PTZ Smart Tracking Supported  Zone Settings Warning zone, Early warning zone, Disable zone  Tracking Mode Time priority, Range priority, Multi-target auto switch, Target trigger priority  Scene Mode Expert mode, Open mode, Shrub mode  Map Management Supported  General  DC 36 V ± 25%, 0.67 A, max. 24 W, two-core terminal block,	RS-232	1 RS-232			
Radar + PTZ Smart Tracking  Zone Settings  Warning zone, Early warning zone, Disable zone  Tracking Mode  Time priority, Range priority, Multi-target auto switch, Target trigger priority  Scene Mode  Expert mode, Open mode, Shrub mode  Map Management  Supported  General  DC 36 V ± 25%, 0.67 A, max. 24 W, two-core terminal block,	Indicator	Supported			
Zone Settings  Warning zone, Early warning zone, Disable zone  Tracking Mode  Time priority, Range priority, Multi-target auto switch, Target trigger priority  Scene Mode  Expert mode, Open mode, Shrub mode  Map Management  Supported  General  DC 36 V ± 25%, 0.67 A, max. 24 W, two-core terminal block,	Function				
Tracking Mode  Time priority,Range priority,Multi-target auto switch,Target trigger priority  Scene Mode  Expert mode,Open mode,Shrub mode  Map Management  Supported  General  DC 36 V ± 25%, 0.67 A, max. 24 W, two-core terminal block,	Radar + PTZ Smart Tracking	Supported			
Scene Mode Expert mode,Open mode,Shrub mode  Map Management Supported  General  DC 36 V ± 25%, 0.67 A, max. 24 W, two-core terminal block,	Zone Settings	Warning zone, Early warning zone, Disable zone			
Map Management  Supported  General  DC 36 V ± 25%, 0.67 A, max. 24 W, two-core terminal block,	Tracking Mode	Time priority,Range priority,Multi-target auto switch,Target trigger priority			
General  DC 36 V ± 25%, 0.67 A, max. 24 W, two-core terminal block,  Power	Scene Mode	Expert mode,Open mode,Shrub mode			
DC 36 V $\pm$ 25%, 0.67 A, max. 24 W, two-core terminal block,	Map Management	Supported			
Power	General				
AC 24 V ± 25%, 1 A, max. 24 W, two-core terminal block	Power	DC 36 V ± 25%, 0.67 A, max. 24 W, two-core terminal block,			
		AC 24 V ± 25%, 1 A, max. 24 W, two-core terminal block			



Material	Cover: PC, main body: ADC12			
Dimensions	228 mm × 206 mm × 61 mm (8.98" × 8.11" × 2.4") (L × W × H)			
Package Dimensions	489 mm × 300 mm × 140 mm (19.25" × 11.81" × 5.51") (L × W × H)			
Weight	Approx. 1.8 kg (3.97 lb.)			
With Package Weight	Approx. 3.6 kg (7.94 lb.)			
Operating Condition	-40 °C to 65 °C (-40 °F to 149 °F). Humidity 95% or less (non-condensing)			
Storage Condition	-40 °C to 60 °C (-40 °F to 140 °F). Humidity 95% or less (Non-condensing)			
Installation Height	2 to 4 m (Recommend height: 2.5 m)			
Approval				
EMC	CE-EMC: EN 55032: 2015+A11:2020+A1:2020, EN IEC61000-3-2: 2019+A1:2021, EN			
	61000-3-3:2013+A1:2019+A2:2021, EN 50130-4:2011+A1: 2014			
RF	CE-RED: EN 301489-1 V2.2.3, EN 301489-3 V2.1.1, EN 300440 V2.1.1, EN IEC 62311:			
KF	2020			
Safety	CB: IEC 61010-1:2010, IEC 61010-1:2010/AMD1: 2016,			
Safety	CE-LVD: EN 61010-1:2010+A1: 2019			
	CE-RoHS: 2011/65/EU,			
Environment	WEEE: 2012/19/EU,			
	Reach: Regulation (EC) No 1907/2006			
Protection	IK10:IEC 62262: 2002,			
	IP67:IEC 60529: 1989+A1: 1999+A2: 2013			
Anti-Corrosion Protection	NEMA 4X (NEMA 250-2018)			

### Typical Application

Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

This model has MODERATE PROTECTION.

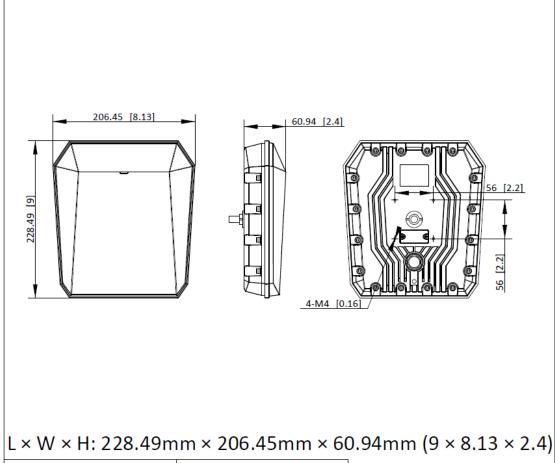
Level	Description		
	Hikvision products at this level are equipped for use in		
Top-level protection	areas where professional anti-corrosion protection is a		
Top-rever protection	must. Typical application scenarios include coastlines,		
	docks, chemical plants, and more.		
	Hikvision products at this level are equipped for use in		
	areas with moderate anti-corrosion demands. Typical		
Moderate protection	application scenarios include coastal areas about 2		
	kilometers (1.24 miles) away from coastlines, as well as		
	areas affected by acid rain.		
No specific protection	Hikvision products at this level are equipped for use in		
No specific protection	areas where no specific anti-corrosion protection is needed.		

#### Available Model

DS-TDSB0G-FK/120m



### Dimension



Camera Mounting Hole[mm]	Camera Mounting Hole[inch]	Ĺ	Jnit: mn	n [inch]
4-M4	4-0.16		SCALE	1:1



## Accessory

## Optional

DS-PRB2321	DS-PRB2221	DS-PRB-1310	DS-PRB-1120	DS-PRB-1200
DS-PRB-2200	DS-PRB-1110			
CITI	60 po			

# See Far, Go Further



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