

DS-TDSB00-EMM Multi-Target Speed-Measuring Radar

- The radar can measure the speed of up to 128 vehicles in different lanes (1-8 lanes).
- Wide speed measuring range between 10 to 320 km/h.
- Adjustable capture distance between 18 to 150 m.
- Up to 98% capture rate with advanced speed measuring technology.



# Specification

$Working Frequency60 to 61 GH2Modulation WaveformFMCWSweep Bandwidth200M H2Horizontal Detection Angle12.6°Varital Detection Angle12.6°Max. Detectable TargetsUp to 128Coverage Lang0 to 8 lane(s)Detection Distance15.70Distance Resolution0.75 mAngle Resolution0.75 mAngle Resolution0.75 mSpeed Measuring Range10.m/n to 320 km/hSpeed Resolution0.38m/sSpeed Resolution0.32m/sTrigger ModeAparoching direction, Edwing direction, BidrectionTrigger Mode0.92m/sResolution14.51 M/NON Mself-adaptive Edwing MiceResolution0.92 viewes/maineResolution0.92 viewes/maineResolution0.92 viewes/maineResolution0.92 viewes/maineResolution0.92 viewes/maineResolution0.92 viewes/maineResolution0.92 viewes/maineResolution0.92 viewes/maineMetrialCover:ec_main body: MC12Power0.92 viewes/maineMaterialCover:ec_main body: MC12Power0.92 viewes/maineVieht Ackage WeightAprox: 1.64 kg (3.61 h.)Vieht Ackage WeightAprox: 1.64 kg (3.61 h.)Resolution3.0° to 6.0° C(2.2° Fie to 140° F). Hurmidity: 95% o$	Radar	
Sweep Bandwidth200M H2Horizontal Detection Angle± 60°Vertical Detection Angle± 12.6°Max. Detectable TargetsUp to 128Coverage LanesUp to 18 Jan(s)Detection Distance150 mDistance Resolution0.75 mDistance Measurement Accuracy± 1 mAngle Resolution0.23m/sSpeed Measuring Range10 km/h to 320 km/hSpeed Measuring Racuracy± 2 km/hPayeed Measuring Accuracy± 2 km/hSpeed Measuring Accuracy± 2 km/hRafter Rate99%Orguna Control (Control (Co	Working Frequency	60 to 61 GHz
Horizontal Detection Angle# 60°Vertical Detection Angle± 12.6°Wax. Detectable TargetsUp to 128Coverage LanesUp to 8 lane(s)Detection Distance150 mDistance Resolution0.75 mDistance Measurement Accuracy± 1 mAngle Resolution3.8°Speed Measuring Range10 km/h to 320 km/hSpeed Resolution0.23m/sSpeed Measuring Accuracy± 2 km/hTrigger ModeApproaching direction, Leaving direction, BidrectionCapture Rate98Power18 kJ 510 M/100 M self-adaptive Ethernet portResolutionDS V to 24 V, 1 A, max. 5 W, two-core terminal blockMaterialCover: PC, main body: ADC12Dimensions173 mm × 175.6 mm × 202.5 mm (6.81" × 6.91" × 7.97") (L × W × H)Package Dimensions270 mm × 250 mm × 223 mm (10.62" × 9.84" × 8.78") (L × W × H)Vith Package WeightApprox. 1.64 kg (3.61 lb.)Operating Condition-30 °C to 70 °C (-22 °F to 158°F). Humidity: 55% to 955% (non-condensing)Storage Condition-30 °C to 70 °C (-22 °F to 158°F). Humidity: 55% to 955% (non-condensing)Storage Condition-30 °C to 70 °C (-22 °F to 158°F). Humidity: 55% to 955% (non-condensing)Storage Condition-30 °C to 70 °C (-22 °F to 158°F). Humidity: 55% to 955% (non-condensing)Storage Condition-30 °C to 70 °C (-22 °F to 158°F). Humidity: 55% to 955% (non-condensing)Storage Condition-30 °C to 70 °C (-22 °F to 158°F). Humidity: 55% to 955% (non-condensing)Storage Condition-30 °C to 70 °C (-22 °F to 158°F). Humidity:	Modulation Waveform	FMCW
Vertical Detection Angle± 12.6°Max. Detectable TargetsUp to 128Coverage LanesUp to 8 lane(s)Detection Distance150 mDistance Resolution0.75 mDistance Resolution3.8°Angle Resolution0.23m/sSpeed Measuring Range10 km/h to 320 km/hSpeed Measuring Accuracy± 2 km/hTrigger ModeApproaching direction, Bidrection, BidrectionCapture Rate98%Detertor184 510 M/100 M self-adaptive Ethernet portRs-485184 510 M/100 M self-adaptive Ethernet portRs-4850.29 V to 24 V, 1 A, max. 5 W, two-core terminal blockCancer200 W to 24 V, 1 A, max. 5 W, two-core terminal blockMaterialCover: PC, main body: ADC12Dimensions173 mm × 175.6 mm × 202.5 mm (6.81" × 6.91" × 7.97") (L × W × H)Package Dimensions270 mm × 220 mm (10.62" × 9.84" × 8.78") (L × W × H)VerightApprox. 1.64 kg (3.61 h).WeightApprox. 1.64 kg (3.61 h).With Package WeightApprox. 1.64 kg (3.61 h).WeightApprox. 1.64 kg (3.61 h).WeightApprox. 1.64 kg (3.61 h).Matalation Height40 m (Recommend height: 6 m)Approx.E.64 (2.72 * to 158*F). Humidity: 55% to 95% (non-condensing)Instalation HeightApprox. 1.64 kg (3.61 h).WeightApprox. 1.64 kg (3.61 h).WeightApprox. 1.64 kg (3.61 h).MaterialCircle Cover: PC, to 158*F). Humidity: 55% to 95% (non-condensing)Instalation HeightA for (Circle 2* to 158*F). Hum	Sweep Bandwidth	200M Hz
Max. Detectable TargetsUp to 128Coverage LanesUp to 8 lane(s)Detection Distance150 mDistance Resolution0.75 mDistance Resolution0.75 mAngle Resolution3.8"Speed Measuring Range10 km/h to 320 km/hSpeed Measuring Accuracy± 2 km/hSpeed Measuring Accuracy± 2 km/hTrigger ModeApproaching direction, Leaving direction, BidrectionCapture Rate9%Power1 Rl 45 10 M/100 M self-adaptive Ethernet portRs-4850 SV 10 24 V, 1 A, max. 5 W, two-core terminal blockMeterialCover: PC, main body: ADC12Dimensions173 mm × 175.6 mm × 202.5 mm (6.81" × 6.91" × 7.97") (L × W × H)Package Dimensions270 mm × 220 mm (10.62" × 9.48" × 8.78") (L × W × H)Vith Package WeightApprox. 1.64 kg (3.61 lb)With Package WeightApprox. 1.64 kg (3.61 lb)With Package Weight40 m (Recomment height: 6 m)Approx1.64 (6.10.6.1)With Package Schlimin6.01 C (-22 "F to 158"F). Humidity: 55% to 95% (non-condensing)Instalton Height40 m (Recomment height: 6 m)Approx1.64 kg (3.61 lb.)With Package WeightKo 10 (C (-22 "F to 158"F). Humidity: 55% to 95% (non-condensing)Instalton Height6.00 C (-22 "F to 158"F). Humidity: 55% to 95% (non-condensing)Instalton Height4.00 m (Recomment height: 6 m)Approx.1.64 kg (3.61 lb.)Mither (10.10 m)Storage Condition-30 °C to 0°C (-22 "F to 158"F). Humidity: 95% to less (non-condensing)Inst	Horizontal Detection Angle	± 60°
Coverage LanesUp to 8 lane(s)Detection Distance150 mDistance Resolution0.75 mDistance Resolution11 mAngle Resolution3.8°Speed Measuring Range10 km/h to 320 km/hSpeed Measuring Accuracy± 2 km/hTrigger ModeApproaching direction, Leaving direction, BidrectionCapture Rate980Mode11 M 45 10 M/100 M self-adaptive Ethernet portRreface1 RJ 45 10 M/100 M self-adaptive Ethernet portRs-4851 Rs-485GeneralCover: PC, main body: ADC12Dimensions173 mm × 175.6 mm × 203 mm (6.81" × 6.91" × 7.97") (L × W × H)Package Dimensions200 cm × 220 mm × 223 mm (10.62" × 9.84" × 8.78") (L × W × H)Package Dimensions30° C to 70 °C (-22 °F to 158"F). Humidity: 5% to 95% (non-condensing)Storage Condition-30 °C to 70 °C (-22 °F to 158"F). Humidity: 5% to 95% (non-condensing)Storage Condition-30 °C to 70 °C (-22 °F to 158"F). Humidity: 5% to 95% (non-condensing)Installation Height4 to 6 m (Recommen height: 6 m)ApprovalEC-RED: EN IEC 61326-1:2021, DRAFT EN 305 550 V2.1.0:2017, EN 62479:2010, EN 5063:2017Rr CasterCelle C 61010-1:2010, IEC 61010-1:2010/AMD1:2016 CE-IVD: EN 61010-1:2010, IEC 61010-1:2010/AMD1:2016 CE-IVD: EN 61010-1:2010, IEC 61010-1:2010/AMD1:2016 CE-IVD: EN 610	Vertical Detection Angle	± 12.6°
Detection Distance150 mDistance Resolution0.75 mDistance Measurement Accuracy± 1 mAngle Resolution3.8°Speed Measuring Range10 km/h to 320 km/hSpeed Measuring Accuracy± 2 km/hSpeed Measuring Accuracy2 km/hTrigger ModeApproaching direction, Leaving direction, BidrectionCapture Rate98%Interface1 RJ 45 10 M/100 M self-adaptive Ethernet portRS-4851 RS-485OwerDC 9 V to 24 V, 1 A, max. 5 W, two-core terminal blockMaterialCover: PC, main body: ADC12Dimensions173 mm × 175.6 mm × 202.5 mm (6.81" × 6.91" × 7.97") (L × W × H)Package Dimensions270 mm × 250 mm × 223 mm (10.62" × 9.84" × 8.78") (L × W × H)VeightApprox. 1.64 kg (3.61 lb.)With Package Weight3.0° C to 70 °C (-22 °F to 140 °F). Humidity: 5% to 95% (non-condensing)Storage Condition-30 °C to 60 °C (-22 °F to 140 °F). Humidity: 5% to 95% (non-condensing)Storage Condition-30 °C to 60 °C (-22 °F to 140 °F). Humidity: 5% to 95% (non-condensing)Storage Condition-30 °C to 60 °C (-22 °F to 140 °F). Humidity: 5% to 95% (non-condensing)Installation Height4 to 6 m (Recommend height: 6 m)ProvalEE-RED: EN IEC 61326-1:2021, DRAFT EN 305 S50 V2.1.0:2017, EN 62479:2010, EN 5063:2017Storage Condition6.0° C to 70 °C (-22 °F to 140 °F). Humidity: 95% or less (non-condensing)Storage Condition-30 °C to 60 °C (-22 °F to 140 °F). Humidity: 95% or less (non-condensing)Storage Condition6.0° C to 70 °C (-22 °F to 140 °F). Humidit	Max. Detectable Targets	Up to 128
Distance Resolution0.75 mDistance Measurement Accuracy± 1 mAngle Resolution3.8°Speed Measuring Range10 km/h to 320 km/hSpeed Measuring Range10 km/h to 320 km/hSpeed Measuring Accuracy± 2 km/hTrigger ModeApproaching direction, Leaving direction, BidrectionCapture Rate98%Interface1 RJ 45 10 M/100 M self-adaptive Ethernet portRs-4851 RS-485GeneralCover: PC, main body: ADC12Dimensions02 9 V to 24 V, 1 A, max. 5 W, two-core terminal blockMaterialCover: PC, main body: ADC12Dimensions173 mm × 175.6 mm × 202.5 mm (6.81" × 6.91" × 7.97") (L × W × H)Package Dimensions270 mm × 250 mm × 223 mm (10.62" × 9.84" × 8.78") (L × W × H)VeightApprox. 1.64 kg (3.61 lb.)Viri Package WeightApprox. 21.6 kg (4.76 lb.)Operating Condition-30 °C to 70 °C (-22 °F to 158"F). Humidity: 95% or less (non-condensing)Installation Height4 to 6 m (Recommend height: 6 m)ApprovalE-ReD: EN IEC 61326-1:2021, DRAFT EN 305 S50 V2.1.0:2017, EN 62479:2010, EN 5063:2017 K: KS X 3124, KS X 3123Ref CafetyGeliec fo1010-1:2010, IEC 61010-1:2010/AMD1:2016 CieL/UD: EN 61010-1	Coverage Lanes	Up to 8 lane(s)
Distance Measurement Accuracy± 1 mAngle Resolution3.8"Speed Measuring Range10 km/h to 320 km/hSpeed Resolution0.23m/sSpeed Measuring Accuracy± 2 km/hTrigger ModeApproaching direction, Leaving direction, BidrectionCapture Rate98%Ogature Rate98%Interface1 RJ 45 10 M/100 M self-adaptive Ethernet portRS-4851 RS-485GeneralDever: PC, main body: ADC12PowerDC 9 V to 24 V, 1 A, max. 5 W, two-core terminal blockMaterialCover: PC, main body: ADC12Dimensions173 mm × 175.6 mm × 202.5 mm (6.81" × 6.91" × 7.97") (L × W × H)Package Dimensions270 mm × 250 mm × 223 mm (10.62" × 9.84" × 8.78") (L × W × H)WeightApprox. 1.64 kg (3.61 lb.)With Package WeightApprox. 2.16 kg (4.76 lb.)Operating Condition-30 °C to 60 °C (-22 °F to 140 °F). Humidity: 5% to 95% (non-condensing)Installation Height4 to 6 m (Recommend height: 6 m)ApproxlEE-RED: EN IEC 61326-1:2021, DRAFT EN 305 550 V2.1.0:2017, EN 62479:2010, EN 50663:2017 Kc: KS X 3124, KS X 3123RefGeile Collou-1:2010, IEC 61010-1:2010/AMD1:2016 (EI-IVD: EN 61010-1:201	Detection Distance	150 m
Angle Resolution3.8°Speed Measuring Range10 km/h to 320 km/hSpeed Resolution0.23m/sSpeed Measuring Accuracy± 2 km/hTrigger ModeApproaching direction, Leaving direction, BidrectionCapture Rate98%Interface1 RJ 45 10 M/100 M self-adaptive Ethernet portRS-4851 RJ 45 10 M/100 M self-adaptive Ethernet portMetrialCover: PC, main body: ADC12Dimensions1 RJ 45 10 M/100 M self-adaptive Ethernet portPackage Dimensions173 mm x 250 mm x 202. mm (16.81" × 6.91" x 7.97") (L × W × H)WeightApprox. 2.16 kg (4.76 lb.)Operating Condition-30 °C to 70" C (-22 °F to 140 °F). Humidity: 5% to 95% (non-condensing)Storage Condition-30 °C to 60 °C (-22 °F to 140 °F). Humidity: 5% to 95% (non-condensing)Installation Height4 to 6 m (Recommend height: 6 m)Approx1Exe BD	Distance Resolution	0.75 m
Speed Measuring Range10 km/h to 320 km/hSpeed Resolution0.23m/sSpeed Measuring Accuracy± 2 km/hTrigger ModeApproaching direction, Leaving direction, BidrectionCapture Rate98%InterfaceNetwork Interface1 RJ 45 10 M/100 M self-adaptive Ethernet portRs-4851 Rs-485O C 9 V to 24 V, 1 A, max. 5 W, two-core terminal blockConcert PC, main body: ADC12DimensionsC 9 V to 24 V, 1 A, max. 5 W, two-core terminal blockMaterialC over: PC, main body: ADC12Dimensions173 mm × 175.6 mm × 202.5 mm (6.81" × 6.91" × 7.97") (L × W × H)Package Dimensions270 mm × 250 mm × 223 mm (10.62" × 9.84" × 8.78") (L × W × H)WeightApprox. 1.64 kg (3.61 lb.)With Package WeightApprox. 2.16 kg (4.76 lb.)Operating Condition-30 °C to 60 °C (-22 °F to 158°F). Humidity: 55% to 95% (non-condensing)Storage Condition-30 °C to 60 °C (-22 °F to 140 °F). Humidity: 95% or less (non-condensing)Storage Condition-30 °C to 60 °C (-22 °F to 140 °F). Humidity: 95% or less (non-condensing)RFC E-RED: EN IEC 61326-1:2021, DRAFT EN 305 S50 V2.1.0:2017, EN 62479:2010, EN S0663:2017 KC: KS X 3124, KS X 3123RefC E-RED: EN IEC 61326-1:2010, IEC 61100-1:2010/AMD1:2016 CE-IVD: EN 61010-1:2010/AMD1:2016 CE-IVD: EN 61010-1:2010/AMD1:2016 <td>Distance Measurement Accuracy</td> <td>±1m</td>	Distance Measurement Accuracy	±1m
Speed Resolution0.23m/sSpeed Measuring Accuracy± 2 km/hTrigger ModeApproaching direction, Leaving direction, BidrectionCapture Rate98%InterfaceNetwork Interface1 RJ 45 10 M/100 M self-adaptive Ethernet portRS-4851 RS-485Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2"PowerDC 9 V to 24 V, 1 A, max. 5 W, two-core terminal blockMaterialCover: PC, main body: ADC12Dimensions173 mm × 175.6 mm × 202.5 mm (6.81" × 6.91" × 7.97") (L × W × H)Package Dimensions270 mm × 250 mm × 223 mm (10.62" × 9.84" × 8.78") (L × W × H)WeightApprox. 1.64 kg (3.61 lb.)With Package WeightApprox. 2.16 kg (4.76 lb.)Operating Condition-30 °C to 60 °C (-22 °F to 158"F). Humidity: 55% to 95% (non-condensing)Storage Condition-30 °C to 60 °C (-22 °F to 158"F). Humidity: 95% or less (non-condensing)Storage Condition-30 °C to 60 °C (-22 °F to 158"F). Humidity: 95% or less (non-condensing)Installation Height4 to 6 m (Recommend height: 6 m)ApprovalEV-RED: EN IEC 61326-1:2021, DRAFT EN 305 550 V2.1.0:2017, EN 62479:2010, EN 50663:2017KC: KS X 3124, KS X 3123So663:2017KC: KS X 3124, KS X 3123CB:IEC 61010-1:2010/ALD1:2016SafetyCB:IEC 61010-1:2010, IEC 61010-1:2010/AMD1:2016EnvironmentCE-ROHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006	Angle Resolution	3.8°
Speed Measuring Accuracy12 km/hTrigger ModeApproaching direction, Leaving direction, BidrectionCapture Rate98%Interface1 RJ 45 10 M/100 M self-adaptive Ethernet portNetwork Interface1 RJ 45 10 M/100 M self-adaptive Ethernet portRS-4851 RS-485GeneralCover: PC, main body: ADC12PowerDC 9 V to 24 V, 1 A, max. 5 W, two-core terminal blockMaterialCover: PC, main body: ADC12Dimensions173 mm × 175.6 mm × 202.5 mm (6.81" × 6.91" × 7.97") (L × W × H)Package Dimensions270 mm × 250 mm × 223 mm (10.62" × 9.84" × 8.78") (L × W × H)WeightApprox. 1.64 kg (3.61 lb.)With Package WeightApprox. 2.16 kg (4.76 lb.)Operating Condition-30 °C to 70 °C (-22 °F to 158°F). Humidity: 55% to 95% (non-condensing)Storage Condition-30 °C to 60 °C (-22 °F to 140 °F). Humidity: 95% or less (non-condensing)Installation HeightK to 6 m (Recommen height: 6 m)ApprovalEE-RED: EN IEC 61326-1:2021, DRAFT EN 305 550 V2.1.0:2017, EN 62479:2010, EN 50663:2017Kr: KS X 3124, KS X 3123CE-RED: EN IEC 61010-1:2010/AMD1:2016SafetyCB:IEC 61010-1:2010, IEC 61010-1:2010/AMD1:2016FnvironmentCE-ROHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006	Speed Measuring Range	10 km/h to 320 km/h
Trigger ModeApproaching direction, Leaving direction, BidrectionCapture Rate98%Interface1 RJ 45 10 M/100 M self-adaptive Ethernet portRs-4851 RS-485CeneralFowerPowerDC 9 V to 24 V, 1 A, max. 5 W, two-core terminal blockMaterialCover: PC, main body: ADC12Dimensions173 mm × 175.6 mm × 202.5 mm (6.81" × 6.91" × 7.97") (L × W × H)Package Dimensions270 mm × 250 mm × 223 mm (10.62" × 9.84" × 8.78") (L × W × H)WeightApprox.164 kg (3.61 lb.)With Package WeightApprox.216 kg (4.76 lb.)Operating Condition-30 °C to 70 °C (-22 °F to 158°F). Humidity: 5% to 95% (non-condensing)Storage Condition-30 °C to 60 °C (-22 °F to 140 °F). Humidity: 95% or less (non-condensing)Installation Height4 to 6 m (Recommend height: 6 m)ApproxlENCEN 301 489-1 V2.3:32019, EN 301 489-3 V2.1.1:2019RFSo663:2017 Kc: KS X 3124, KS X 3123SafetyCB:IEC 61010-1:2010, IEC 61010-1:2010/AMD1:2016 CE-LVD: EN 61010-1:2010/AM	Speed Resolution	0.23m/s
Capture Rate         98%           Interface         IN 45 10 M/100 M self-adaptive Ethernet port           R5-485         1 RJ 45 10 M/100 M self-adaptive Ethernet port           R5-485         1 R5-485           General         Cover: PC, main body: ADC12           Dimensions         173 mm × 175.6 mm × 202.5 mm (6.81" × 6.91" × 7.97") (L × W × H)           Package Dimensions         270 mm × 250 mm × 223 mm (10.62" × 9.84" × 8.78") (L × W × H)           Package Dimensions         270 mm × 250 mm × 223 mm (10.62" × 9.84" × 8.78") (L × W × H)           Weight         Approx. 1.64 kg (3.61 lb.)           With Package Weight         Approx. 2.16 kg (4.76 lb.)           Operating Condition         -30 °C to 70 °C (-22 °F to 158°F). Humidity: 5% to 95% (non-condensing)           Installation Height         4 to 6 m (Recommend height: 6 m)           Approval         E           EMC         EN 301 489-1 V2.2.3:2019, EN 301 489-3 V2.1.1:2019           RF         So663:2017 KC: KS X 3124, KS X 3123           Safety         CB:IEC 61010-1:2010, IEC 61010-1:2010/AMD1:2016 CE-LVD: EN 61010-1:2010/AL1:2019           Environment         CE-ROHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006	Speed Measuring Accuracy	± 2 km/h
Interface           Network Interface         1 RJ 45 10 M/100 M self-adaptive Ethernet port           RS-485         1 RS-485           General         Cover 3000000000000000000000000000000000000	Trigger Mode	Approaching direction, Leaving direction, Bidrection
Network Interface1 RJ 45 10 M/100 M self-adaptive Ethernet portRS-4851 RS-485GeneralPowerDC 9 V to 24 V, 1 A, max. 5 W, two-core terminal blockMaterialCover: PC, main body: ADC12Dimensions173 mm × 175.6 mm × 202.5 mm (6.81" × 6.91" × 7.97") (L × W × H)Package Dimensions270 mm × 250 mm × 223 mm (10.62" × 9.84" × 8.78") (L × W × H)WeightApprox. 1.64 kg (3.61 lb.)With Package WeightApprox. 2.16 kg (4.76 lb.)Operating Condition-30 °C to 70 °C (-22 °F to 158°F). Humidity: 5% to 95% (non-condensing)Storage Condition-30 °C to 60 °C (-22 °F to 140 °F). Humidity: 95% or less (non-condensing)Installation Height4 to 6 m (Recommend height: 6 m)ApprovalENS 01 489-1 V2.2.3:2019, EN 301 489-3 V2.1.1:2019RFCie-ReD: EN IEC 61326-1:2021, DRAFT EN 305 550 V2.1.0:2017, EN 62479:2010, EN 50663:2017 KC: KS X 3124, KS X 3123SafetyBilEC 61010-1:2010, IEC 61010-1:2010/AMD1:2016 Cie-UV: EN 61010-1:2010+A1:2019EnvironmentEE-RoHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006	Capture Rate	98%
RS-4851 RS-485GeneralPowerDC 9 V to 24 V, 1 A, max. 5 W, two-core terminal blockMaterialCover: PC, main body: ADC12Dimensions173 mm × 175.6 mm × 202.5 mm (6.81" × 6.91" × 7.97") (L × W × H)Package Dimensions270 mm × 250 mm × 223 mm (10.62" × 9.84" × 8.78") (L × W × H)WeightApprox. 1.64 kg (3.61 lb.)With Package WeightApprox. 2.16 kg (4.76 lb.)Operating Condition-30 °C to 70 °C (-22 °F to 158°F). Humidity: 5% to 95% (non-condensing)Storage Condition-30 °C to 60 °C (-22 °F to 140 °F). Humidity: 95% or less (non-condensing)Installation HeightK to 6 m (Recommend height: 6 m)ApprovalEVENEMCEN 301 489-1 V2.2.3:2019. EN 301 489-3 V2.1.1:2019RFCE-RED: EN IEC 61326-1:2021, DRAFT EN 305 S50 V2.1.0:2017, EN 62479:2010, EN 50663:2017 KC: KS X 3124, KS X 3123SafetyCB:IEC 61010-1:2010, IEC 61010-1:2010/AMD1:2016 CE-IVD: EN 61010-1:2010, AL:2019EnvironmentCE-ReDS: EN 150/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006	Interface	
General           Power         DC 9 V to 24 V, 1 A, max. 5 W, two-core terminal block           Material         Cover: PC, main body: ADC12           Dimensions         173 mm × 175.6 mm × 202.5 mm (6.81" × 6.91" × 7.97") (L × W × H)           Package Dimensions         270 mm × 250 mm × 223 mm (10.62" × 9.84" × 8.78") (L × W × H)           Package Dimensions         270 mm × 250 mm × 223 mm (10.62" × 9.84" × 8.78") (L × W × H)           Weight         Approx. 1.64 kg (3.61 lb.)           With Package Weight         Approx. 2.16 kg (4.76 lb.)           Operating Condition         -30 °C to 70 °C (-22 °F to 158°F). Humidity: 5% to 95% (non-condensing)           Storage Condition         -30 °C to 60 °C (-22 °F to 140 °F). Humidity: 95% or less (non-condensing)           Installation Height         4 to 6 m (Recommend height: 6 m)           Approval         EMC           FMC         EN 301 489-1 V2.2.3:2019, EN 301 489-3 V2.1.1:2019           RF         So663:2017 KC: KS X 3124, KS X 3123           Safety         CB:IEC 61010-1:2010, IEC 61010-1:2010/AMD1:2016 CE-IVD: EN 61010-1:2010, IEC 61010-1:2010/AMD1:2016           CE-RVD: EN 61010-1:2010, HEC 61010-1:2010/AMD1:2016           CE-IVD: EN 61010-1:2010, HEC 61010-1:2010/AMD1:2016           CE-IVD: EN 61010-1:2010+A1:2019           Environment         CE-ROHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006 <td>Network Interface</td> <td>1 RJ 45 10 M/100 M self-adaptive Ethernet port</td>	Network Interface	1 RJ 45 10 M/100 M self-adaptive Ethernet port
Power         DC 9 V to 24 V, 1 A, max. 5 W, two-core terminal block           Material         Cover: PC, main body: ADC12           Dimensions         173 mm × 175.6 mm × 202.5 mm (6.81" × 6.91" × 7.97") (L × W × H)           Package Dimensions         270 mm × 250 mm × 223 mm (10.62" × 9.84" × 8.78") (L × W × H)           Weight         Approx. 1.64 kg (3.61 lb.)           With Package Weight         Approx. 2.16 kg (4.76 lb.)           Operating Condition         -30 °C to 70 °C (-22 °F to 158°F). Humidity: 5% to 95% (non-condensing)           Storage Condition         -30 °C to 60 °C (-22 °F to 140 °F). Humidity: 95% or less (non-condensing)           Installation Height         4 to 6 m (Recommend height: 6 m)           Approval         ENGC         EN 301 489-1 V2.2.3:2019, EN 301 489-3 V2.1.1:2019           RF         CE-RED: EN IEC 61326-1:2021, DRAFT EN 305 550 V2.1.0:2017, EN 62479:2010, EN 30663:2017 KC: KS X 3124, KS X 3123           Safety         CB:IEC 61010-1:2010, IEC 61010-1:2010/AMD1:2016 CE-LVD: EN 61010-1:2010+A1:2019           Environment         CE-ROHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006	RS-485	1 RS-485
MaterialCover: PC, main body: ADC12Dimensions173 mm × 175.6 mm × 202.5 mm (6.81" × 6.91" × 7.97") (L × W × H)Package Dimensions270 mm × 250 mm × 223 mm (10.62" × 9.84" × 8.78") (L × W × H)WeightApprox. 1.64 kg (3.61 lb.)With Package WeightApprox. 2.16 kg (4.76 lb.)Operating Condition-30 °C to 70 °C (-22 °F to 158°F). Humidity: 5% to 95% (non-condensing)Storage Condition-30 °C to 60 °C (-22 °F to 140 °F). Humidity: 95% or less (non-condensing)Installation Height4 to 6 m (Recommend height: 6 m)ApprovalEMCEMCEN 301 489-1 V2.2.3:2019, EN 301 489-3 V2.1.1:2019RFSo663:2017 KC: KS X 3124, KS X 3123SafetyCB:IEC 61010-1:2010, IEC 61010-1:2010/AMD1:2016 CE-LVD: EN 61010-1:2010+A1:2019EnvironmentCE-RoHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006	General	
Dimensions         173 mm × 175.6 mm × 202.5 mm (6.81" × 6.91" × 7.97") (L × W × H)           Package Dimensions         270 mm × 250 mm × 223 mm (10.62" × 9.84" × 8.78") (L × W × H)           Weight         Approx. 1.64 kg (3.61 lb.)           With Package Weight         Approx. 2.16 kg (4.76 lb.)           Operating Condition         -30 °C to 70 °C (-22 °F to 158°F). Humidity: 5% to 95% (non-condensing)           Storage Condition         -30 °C to 60 °C (-22 °F to 140 °F). Humidity: 95% or less (non-condensing)           Installation Height         4 to 6 m (Recommend height: 6 m)           Approval	Power	DC 9 V to 24 V, 1 A, max. 5 W, two-core terminal block
Package Dimensions         270 mm × 250 mm × 223 mm (10.62" × 9.84" × 8.78") (L × W × H)           Weight         Approx. 1.64 kg (3.61 lb.)           With Package Weight         Approx. 2.16 kg (4.76 lb.)           Operating Condition         -30 °C to 70 °C (-22 °F to 158°F). Humidity: 5% to 95% (non-condensing)           Storage Condition         -30 °C to 60 °C (-22 °F to 140 °F). Humidity: 95% or less (non-condensing)           Installation Height         4 to 6 m (Recommend height: 6 m)           Approval         ENC         EN 301 489-1 V2.2.3:2019, EN 301 489-3 V2.1.1:2019           RF         CE-RED: EN IEC 61326-1:2021, DRAFT EN 305 550 V2.1.0:2017, EN 62479:2010, EN 50663:2017           K: KS X 3124, KS X 3123         CB:IEC 61010-1:2010, IEC 61010-1:2010/AMD1:2016           Safety         CB:IEC 61010-1:2010, IEC 61010-1:2010/AMD1:2016           Environment         CE-ROHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006	Material	Cover: PC, main body: ADC12
WeightApprox. 1.64 kg (3.61 lb.)With Package WeightApprox. 2.16 kg (4.76 lb.)Operating Condition-30 °C to 70 °C (-22 °F to 158°F). Humidity: 5% to 95% (non-condensing)Storage Condition-30 °C to 60 °C (-22 °F to 140 °F). Humidity: 95% or less (non-condensing)Installation Height4 to 6 m (Recommend height: 6 m)ApprovalEMCEN 301 489-1 V2.2.3:2019, EN 301 489-3 V2.1.1:2019RFCE-RED: EN IEC 61326-1:2021, DRAFT EN 305 550 V2.1.0:2017, EN 62479:2010, EN 50663:2017 KC: KS X 3124,KS X 3123SafetyCB:IEC 61010-1:2010, IEC 61010-1:2010/AMD1:2016 CE-LVD: EN 61010-1:2010+A1:2019EnvironmentCE-ROHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006	Dimensions	173 mm × 175.6 mm × 202.5 mm (6.81" × 6.91" × 7.97") (L × W × H)
With Package Weight         Approx. 2.16 kg (4.76 lb.)           Operating Condition         -30 °C to 70 °C (-22 °F to 158°F). Humidity: 5% to 95% (non-condensing)           Storage Condition         -30 °C to 60 °C (-22 °F to 140 °F). Humidity: 95% or less (non-condensing)           Installation Height         4 to 6 m (Recommend height: 6 m)           Approval         EMC           EMC         EN 301 489-1 V2.2.3:2019, EN 301 489-3 V2.1.1:2019           RF         CE-RED: EN IEC 61326-1:2021, DRAFT EN 305 550 V2.1.0:2017, EN 62479:2010, EN 50663:2017           KC: KS X 3124,KS X 3123         CB:IEC 61010-1:2010, IEC 61010-1:2010/AMD1:2016           Safety         CB:IEC 61010-1:2010, IEC 61010-1:2010/AMD1:2016           Environment         CE-ROHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006	Package Dimensions	270 mm × 250 mm × 223 mm (10.62" × 9.84" × 8.78") (L × W × H)
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Storage Condition         -30 °C to 60 °C (-22 °F to 140 °F). Humidity: 95% or less (non-condensing)           Installation Height         4 to 6 m (Recommend height: 6 m)           Approval         EMC         EN 301 489-1 V2.2.3:2019, EN 301 489-3 V2.1.1:2019           RF         CE-RED: EN IEC 61326-1:2021, DRAFT EN 305 550 V2.1.0:2017, EN 62479:2010, EN 50663:2017           KC: KS X 3124,KS X 3123         CB:IEC 61010-1:2010, IEC 61010-1:2010/AMD1:2016           Safety         CB:IEC 61010-1:2010, IEC 61010-1:2010/AMD1:2016           Environment         CE-ROHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006	With Package Weight	Approx. 2.16 kg (4.76 lb.)
Installation Height         4 to 6 m (Recommend height: 6 m)           Approval         EMC         EN 301 489-1 V2.2.3:2019, EN 301 489-3 V2.1.1:2019           EMC         EC-RED: EN IEC 61326-1:2021, DRAFT EN 305 550 V2.1.0:2017, EN 62479:2010, EN 50663:2017           RF         S0663:2017           KC: KS X 3124,KS X 3123         CB:IEC 61010-1:2010, IEC 61010-1:2010/AMD1:2016           Safety         CB:IEC 61010-1:2010, IEC 61010-1:2010/AMD1:2016           Environment         CE-ROHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006	Operating Condition	-30 °C to 70 °C (-22 °F to 158°F). Humidity: 5% to 95% (non-condensing)
Approval         EN 301 489-1 V2.2.3:2019, EN 301 489-3 V2.1.1:2019           EMC         EN 301 489-1 V2.2.3:2019, EN 301 489-3 V2.1.1:2019           RF         CE-RED: EN IEC 61326-1:2021, DRAFT EN 305 550 V2.1.0:2017, EN 62479:2010, EN 50663:2017           KC: KS X 3124,KS X 3123         KC: KS X 3124,KS X 3123           Safety         CB:IEC 61010-1:2010, IEC 61010-1:2010/AMD1:2016           Environment         CE-ROHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006	Storage Condition	-30 °C to 60 °C (-22 °F to 140 °F). Humidity: 95% or less (non-condensing)
EMC         EN 301 489-1 V2.2.3:2019, EN 301 489-3 V2.1.1:2019           RF         CE-RED: EN IEC 61326-1:2021, DRAFT EN 305 550 V2.1.0:2017, EN 62479:2010, EN 50663:2017           Safety         CB:IEC 61010-1:2010, IEC 61010-1:2010/AMD1:2016           CE-LVD: EN 61010-1:2010+A1:2019         CE-LVD: EN 61010-1:2010+A1:2019           Environment         CE-ROHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006	Installation Height	4 to 6 m (Recommend height: 6 m)
RF         CE-RED: EN IEC 61326-1:2021, DRAFT EN 305 550 V2.1.0:2017, EN 62479:2010, EN 50663:2017           KC: KS X 3124,KS X 3123         KC: KS X 3124,KS X 3123           Safety         CB:IEC 61010-1:2010, IEC 61010-1:2010/AMD1:2016           CE-LVD: EN 61010-1:2010+A1:2019         CE-ROHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006	Approval	
RF         50663:2017           KC: KS X 3124,KS X 3123         KC: KS X 3124,KS X 3123           Safety         CB:IEC 61010-1:2010, IEC 61010-1:2010/AMD1:2016           CE-LVD: EN 61010-1:2010+A1:2019         CE-LVD: EN 61010-1:2010/AMD1:2019           Environment         CE-ROHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006	EMC	EN 301 489-1 V2.2.3:2019, EN 301 489-3 V2.1.1:2019
KC: KS X 3124,KS X 3123           Safety         CB:IEC 61010-1:2010, IEC 61010-1:2010/AMD1:2016 CE-LVD: EN 61010-1:2010+A1:2019           Environment         CE-ROHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006	RF	CE-RED: EN IEC 61326-1:2021, DRAFT EN 305 550 V2.1.0:2017, EN 62479:2010, EN
Safety         CB:IEC 61010-1:2010, IEC 61010-1:2010/AMD1:2016           CE-LVD: EN 61010-1:2010+A1:2019         CE-RoHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006		50663:2017
Safety         CE-LVD: EN 61010-1:2010+A1:2019           Environment         CE-RoHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006		KC: KS X 3124,KS X 3123
CE-LVD: EN 61010-1:2010+A1:2019           Environment         CE-RoHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006	Safety	CB:IEC 61010-1:2010, IEC 61010-1:2010/AMD1:2016
		CE-LVD: EN 61010-1:2010+A1:2019
Protection IP67: IEC 60529-2013	Environment	CE-RoHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006
	Protection	IP67: IEC 60529-2013



## 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.

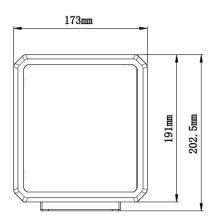
This model has NO SPECIFIC PROTECTION.

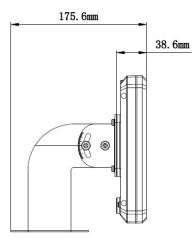
Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.
Moderate protection	Hikvision products at this level are equipped for use in areas with moderate anti-corrosion demands. Typical 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 areas where no specific anti-corrosion protection is needed.

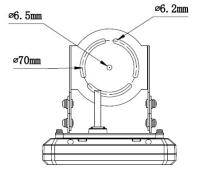
### Available Model

DS-TDSB00-EMM

#### Dimension









#### Accessory

#### Optional



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