

IP Based Dome Camera For Rolling Stock



eyeTrain is designed to rail group standards, and incorporates the very latest in video, storage and communications technology. The *eyeTrain* range offers digital (IP) technology matched to the harsh environment of rolling stock applications, providing the highest performance and resilience on the market.



Specifications

General

Type
Part Number
Dome Camera for Rolling Stock Applications
SC1-ST-397 (2.8 mm Lens)
SC2-ST-397 (2.8 mm Lens)

Form Factor
Dimensions
Weight
Die-cast Aluminium Dome
87 mm (H) x 145 mm (Ø)
0.9 kg

Sensor

Type
Dynamic Range
Signal to Noise Ratio
Sensitivity
Resolution
Lens
1/2.8" Progressive Scan CMOS Sensor
WDR >120 dB
>50 dB
0.001 lux min illumination (F1.2, Colour)
2 M pixel
M12 thread, focal lengths as below.

Viewing Angles

Focal Length	Horizontal Angle	Vertical Angle
2.8 mm	89.5 °	58.3 °

Data Transmission

Communications
Protocol
Ethernet
TCP/IP, UDP, RTP, RTSP, RTCP, HTTP, DNS, DDNS, DHCP, FTP, NTP, PPPOE
Dual Stream
Compression
Video Frame rate
Video Resolution
MJPEG, H.264, 32 Kbps to 16 Mbps CBR/VBR
Up to 25 fps
720p and 1080p

Environmental

Temperature Range
Ingress Protection
-25 °C to +55 °C (Operational T1)
IP65

... a level of runtime
stability and resilience
not normally associated
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Electrical

Power Consumption
Power Supply

4 W max
PoE, 802.11E IEEE 3af Mixed DC & Data (Mode A)

Connectivity

Connector
Type

M12 Female D-Coded
Fixed

Connections

Pin	Signal
1	Tx Data +
2	Rx Data +
3	Tx Data -
4	Rx Data -

Standards Compliance

Shock & Vibration
Ingress Protection
Cooling
Dry Heat
Low Temp Storage

EN50155:2007, 12.2.11 EN61373:2010
EN60529:1992
EN50155:2007, 12.2.3 EN60068-2-1:2007 Test Ad
EN50155:2007, 12.2.4, EN60068-2-2:2007 Test Bd
EN50155:2007, 12.2.14, EN60068-2-1

Conducted Emissions
Radiated Emissions
Radiated Susceptibility
Conducted Susceptibility
Fast Transient Burst Sus.
Electrostatic Discharge

EN50155:2007 12.2.8.2, EN50121-3-2:2015, EN55011:2009 +A1:2010
EN50155:2007 12.2.8.2, EN50121-3-2:2015, EN55011:2009 +A1:2010
EN50155:2007, 12.2.8.1, EN50121-3-2:2015, EN61000-4-3:2006 +A1:2010
EN50155:2007, 12.2.8.1, EN50121-3-2:2015, EN61000-4-6:2009
EN50155:2007, 12.2.7.3, EN 50121-3-2:2015, EN61000-4-4:2004 A1:2010
EN50155:2007, 12.2.7.2, EN50121-3-2:2015, EN61000-4-2:2009

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