

# 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	Dome Camera for Rolling Stock Applications
Manufacturer	Petards
Part Number	SC6-SI-352
Form Factor	Die-cast Aluminium Base and Clear Polycarbonate Dome
Dimensions	88mm (H) x 145mm (Ø)
Weight	0.7 Kg



### Specifications

#### Sensor

Type	1/3" Progressive Scan CMOS Sensor Petards Advanced Digital Camera System
Signal to Noise Ratio	50dB max (Y signal, AGC off)
Dynamic Range	120dB Max, 102dB typical.
Sensitivity	0.1 lux colour min illumination (F1.2, 50 IRE, 30 fps, CMY)
Resolution	690 HTVL Effective, Rotakin Level B at 100R to EN50132-7
Lens	6mm
Viewing Angle	43.6°(H), 33.4°(V) @704 x 576 Resolution

#### Data Transmission

Ethernet	100Mbit/s full duplex
Video Frame Rate	Up to 30fps
Video Resolution	Up to 704 x 576
Compression	MJPEG, H.264 Dual Stream

#### Environmental

Temperature Range	-25°C to +55°C
Power Supply	PoE to IEEE802.3af Mixed DC & Data (mode A)
Power Consumption	4W
Ingress Protection	IP55



### Specifications

#### Standards Compliance

EN50155	Railway applications, electronic equipment used on rolling stock
EN50121-3-2	Railway applications, EMC part 3-2 rolling stock apparatus
RIA 12	General specification for protection of traction and rolling stock electronic equipment from transients and surges in DC control systems
EN60529	Degrees of protection provided by enclosures
EN61373	Functional and random vibration tests
EN60068-2-1	Cooling tests
EN60068-2-2	Dry heat tests
EN60068-2-30	Damp heat tests
EN60068-2-27	Shock tests
EN61000-4-2	Electrostatic discharge immunity test
EN61000-4-3	Radiated, radio-frequency electromagnetic field immunity test
EN61000-4-4	Electrical fast transient/burst immunity test
EN61000-4-5	Surge immunity test
EN61000-4-6	Immunity to conducted disturbances, induced by radio frequency fields
ENV50204	Radiated electro magnetic fields from digital radio telephones/ immunity tests