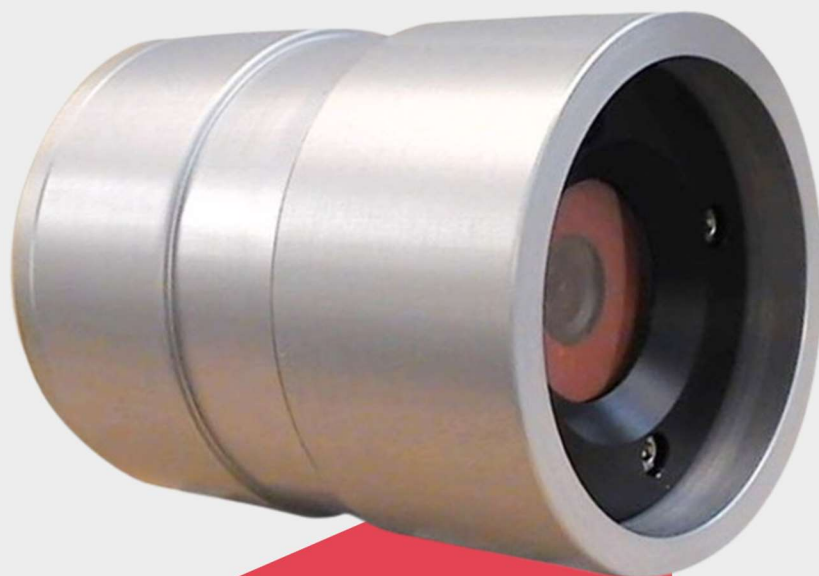
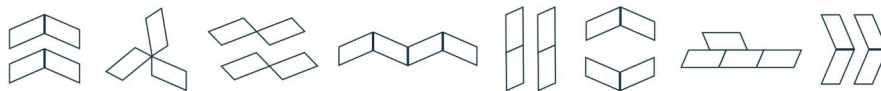




Rugged Mining/Harsh Environment Camera

0414-6002

Benefits

- High shock / vibration resistant
- Proven in harsh mining environments
- Heated Sapphire window
- Wide operating temperature range
- Flush port or semi- recessed version

Applications

- Mining Vehicles / Machinery
- Heavy Duty Industry
- Harsh / Extreme Environments

0414-6002

Rugged Mining/Harsh Environment Camera



Performance, Electrical & Network

Active Pixels	EIA: 768 (H) x 492 (V), CCIR: 762 (H) x 582 (V)
Horizontal Resolution	>520 TV lines per picture height
Faceplate Illumination	0.29 lux (typical) with F2.0 lens supplied, for 50% video level
Maximum Scene Illumination	>100,000 lux
Scanning System	525 lines 60 Hz EIA or 625 lines 50 Hz CCIR also available
Image Sensor	1/4" format interline transfer Black & White CCD (Sony EX-View)
Gain Control	Automatic (AGC)
S/N Ratio	48 dB, CCIR weighted (AGC minimum)
Sync System	Internally generated
Power Input (terminal voltage)	12 V nominal 5.5 to 13.8 Vdc (Max), 210 mA nominal, 1.3 A max with window heater on
Video Output	Composite video, 1V pk-pk into 75 Ohms

Optical

Electronic Iris	Automatic CCD-Iris (EIA)
Lens and Field of View Options	All Lenses Fixed Focal, F2.0 types
0005(EIA) & 0055(CCIR)	<i>Focal length 2.5mm, 79.5° (H) x 60° (V) FOV</i>
0010(EIA) & 0060(CCIR)	<i>Focal length 2.9mm, 68° (H) x 50.5° (V) FOV</i>
0020(EIA) & 0070(CCIR)	<i>Focal length 3.6mm, 57° (H) x 42° (V) FOV</i>
0030(EIA) & 0080(CCIR)	<i>Focal length 3.8mm, 53° (H) x 39° (V) FOV</i>
0040(EIA) & 0090(CCIR)	<i>Focal length 4.0mm, 52° (H) x 38° (V) FOV</i>
Depth of Field	0.55m to infinity

Mechanical (Semi recessed version)

Length	95mm (excluding connector)
Diameter	74mm
Weight	670g
Standard Housing	Aluminium alloy 6082T6 to BS1470, clear anodised
Window	Ultra-hard 8mm thick Sapphire window, fitted with thermostatically controlled foil heater
Connector Type	PT02A-14-18P-ND, 18 way

Mechanical (Flush port version)

Length	79mm (excluding connector)
Diameter	74mm
Weight	550g

Environmental

Housing	IP66
Operating Temp/Humidity	-40°C to +50°C at up to 100% RH
Storage Temp/Humidity	-40°C to +70°C at up to 100% RH

Specification subject to change without any further notice