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NAVAL PTZ DOME CAMERA, MIL QUALIFIED

- High resolution Day/Night camera
- 26x optical zoom lens and 12x digital zoom
- Fully qualified to US Mil Spec
- H.264 IP option

The 0457-6022 PTZ (Pan, Tilt & Zoom) Color Dome Camera is a robust, feature-rich, speed dome that will allow comprehensive viewing in ship engineering/machinery spaces.

The camera is suitably modified in order to meet the harsh Navy shock, vibration and EMI requirements. The camera uses a high resolution color/mono Sony EX View sensor with 26x optical and 12x digital zoom. Other features include proportional pan and tilt speed control and up to 99 position presets. Preset tours can easily be programmed using the Kongsberg Maritime Telemetry Control Keyboards (0457-6027 and 0465-6015).

As well as the standard analogue interface an advanced IP option is also available. The integrated IP option can deliver two simultaneous video streams, one in H.264 and another in Motion JPEG, at full frame rate in all resolutions up to D1 (720x480 in NTSC, 720x576 in PAL). The H.264 video compression format drastically reduces bandwidth and storage requirements without compromising image quality. The integrated IP option is fully compatible with Video

Management Software (VMS), including Milestone XProtect®.

The camera is fully sealed to IP67 and is contained within a robust polycarbonate housing and clear polycarbonate dome. A stainless steel bracket (part no. 0457-6023) is also available suitable for bulkhead or overhead mounting and the whole assembly is designed for ease of installation. A standard junction box for termination of ships cables is also available.

The camera has been fully qualified to meet the stringent US Navy requirements of MIL-STD-901D 'Hammer' shock test as well as MIL-STD-461F EMI for surface ships.

Applications

- Naval Surface Ships
- Engineering Space Monitoring
- General Observation

TECHNICAL SPECIFICATIONS

Electrical

Horizontal Resolution	460 TV Lines/ph
Picture Elements Video	768 (H) x 494 (V) NTSC
Scene Illumination (limiting)	2.67 Lux Color (useable picture), 0.1 Lux Mono Color/mono auto switch
Sensor Type	1/4" IL CCD sensor
Presets	99 max.
Tours	32 positions
Power Input	+18 to +24 V dc, 2A Max.
Video Output	Differential video 1V p-p (nominal) composite video from associated Junction Box NTSC (PAL and IP options also available)
Electro-Magnetic Compatibility	MIL-STD-461F Emissions MIL-STD-461F Susceptibility

Environmental

Housing	IP67
Temperature	MIL-STD-810F Operating: 0°C to +40°C / 95% RH Storage: -20°C to +60°C
Vibration	MIL-STD-167-1A Shipboard, 4 to 25Hz
Shock	MIL-STD-901D, Grade B, Class II

Optical

Standard Lens	2.5 to 91mm, F1.6 to F3.8, 26 x zoom lens optical (12 x digital zoom)
Iris Control	Automatic/manual
Focus	Wide 0.32m to infinity Tele 1.6m to infinity
Angle of View in Air	2.5° to 53° Horizontal

Mechanical

Diameter	245mm
Length	280mm (excl. connector & bracket)
Weight	2.3Kg in Air
Standard Housing	Injection moulded polycarbonate/ABS Color white
Window Material	Polycarbonate dome
Connector	RJ-45

Pan and Tilt Coverage

Tilt	0° to -90° (dome down)
Pan	360° continuous unlimited
Pan and Tilt Control	RS485 via associated Junction Box

Specifications subject to change without any further notice

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