



ELIOS, Eldor Observation System thermal and FHD camera on pan and tilt Pedestal, designed for mid range observation application, Providing real time reconnaissance for accurate target acquisition.

Thermal imager sensor, un-cooled long wave, high sensitivity, detects targets in total darkness, Day FHD camera providing target assessment.

Day time FHD camera, color HD 1080P, 4.9 – 129 mm x30 optical zoom, AF continues

Accurate Pan & Tilt motor allows very slow to fast proportional motion, target tracking at long range with low speed or fast moving objects at short range with high speed.

Border
Control

Perimeter
Security

Critical
Assets

Safe
City

Air / Sea
Ports

Highlights:

- Highly stabilized, rugged, compact and low-weight structure
- Smooth, repeatable motion provides steady images in windy environments
- Thermal camera 640 x 480 pixels, 17μ Full 1920 x 1080/60p High Definition
- Environment: IP66

Specs

Thermal Imager	Specs
Detector Type:	Micro Bolometer
Pixel Size	17μ
Number of Pixels	640 x 480
Spectral band	7-14 μm
Field FOV	Single FOV 35mm, 60mm, 100mm, 150mm Dual FOV 45/135mm Continuous 15-100mm, 25-150mm, 26-105mm, 25-225mm
Digital Zoom	X 4
Focus Control	Athermalized or Motorized
NUC	Yes

Day Camera	Specs
Sensor type	1/2.8 type CMOS
Effective Pixels	Approx. 2.38 Megapixels
Horizontal Viewing Angle	63.7°(wide end) to 2.3°(tele end)
Lens	30x optical zoom; f=4.3mm (wide) to 129mm (tele); F1.6 to F4.7
Digital Zoom	X12 (360x with optical zoom)
S/N Ratio	More than 50 dB
Focus System	Auto (Sensitivity: normal, low), One-push AF, Manual, Interval AF, Zoom Trigger AF, Focus compensation in ICR on
Picture Effects	E-Flip, Nega Art, Black & White, Mirror image, Color enhancement
Frame Rate	Full HD (1920 x 1080) at 60fps
Interface	ONVIF, RTSP
Video Streaming	Dual Stream, H.264, MPEG4

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Pan Tilt Unit	Specs
Pan Range	360° Continuous, Slip Ring
Tilt Range	+30° to -90°
Pan Speed	0.006° /sec to 100°/sec
Tilt Speed	0.003° /sec to 50°/sec
Max Payload Weight	15 lbs
Weight	11 lbs
Height	10.46" (with top bracket)

General	Specs
Power	24 VDC
Environment	IP66
Operating Temperature	-30°C to +50°C
Interface	Pelco D, TCP/IP
Weight	18 lbs



Eldor Communication Technologies Ltd.