

MK-1850-VCC17

EVVE HD LONG-RANGE CAMERAS



EVVE Long Range cameras are custom built after the requirements of the end user because the MK-serie comes with an extensive option list. The MK-1850-VCC17 cameras have an advanced lens (with auto focus, different filters, 60x zoom and stabilization). The cameras are turn-key solutions with the MK-1700. The MK-1700 is completely cabled and all electronics are mounted inside. This will reduce the installation time with almost 85% and makes the installation very easy. Power and the selected data transmission only need to be connected to the MK-1700.



The MK-1850-VCC17 are standard built with the MK-1100 (non continuous rotation pan and tilt unit), but the end user can instead complete the camera with the MK-1200 (continuous rotation pan and tilt unit). Moreover, the end user can choose thermal options (cooled with zoom lens) and options as Temperature Control, Video Stabilization & Enhancement, Search Light, Laser Range Finder, Fiber Optic Output and Data Video Output.

The cameras are fully integrated with radar systems and Vessel Tracking Information System. Our systems are ONVIF S and Pelco D extended.



APPLICATION

LONG-RANGE SURVEILLANCE

VESSEL TRAFIC MONITORING

BORDER PROTECTION

CRITICAL INFRASTRUCTURE
PROTECTION

AIRPORT PERIMETER
SURVEILLANCE

FEATURES

- ✓ The MK-1850-VCC17 cameras have pan and tilt functionality and anti-backlash gearing, allowing for pointing recall at 0.015 degrees, which is an exceptional level of accuracy
- ✓ The camera system can also adjust for fog and mist
- ✓ Functionality for the identification of vessels up to 30 km away
- ✓ Designed as an open platform to be integrated with Vessel Tracking Information Management System (VTIMS), Ground Radar, Marine Radar and Video Management Systems
- ✓ Standard: 400° non continuous rotation for pan and 180° for tilt. The end user can set the soft stops as end stops
- ✓ Runs on Pelco D extended protocol
- ✓ Compatible with all IP communication protocols
- ✓ IP66 certified to operate in marine and desert environments

SPECIFICATIONS & OPTIONS

MK-1850-VCC17

SYSTEM	
IP Rating (Dust & Water Ingress)	IP66
Operating Temperature Range	-40° C to +60°C
Active Internal Temperature Control (AICT)	Yes
Sealed	Yes
Connectors	ODU
Weight	Standard 65 kg (Depending on the selected options)
Input Voltage	110 VAC / 230 VAC
Output	Data
Power Consumption	130 W

PAN & TILT UNIT	
MK-1100 Pan Angle	Non Continuous 400°; 0,01° to 60°/sec with soft stops (speeds in 4 steps)
Tilt Angle	180°; 0,01° to 30°/sec with soft stops (speeds in 4 steps)
Backlash	0,0015°
Control Speed	0,01° to 30°/sec (4 steps) controlled
Accuracy	Optical Controlled

VISUAL CAMERA	
Video Type	HD-SDI Full HD
Sensor Type	1/3" Progressive Scan CMOS
Sensor Illumination	Color : 0.02lx (F1.2 / AGC48dB) /0.007lx (F1.2 / AGC48dB / accumulation 60 times B/W : 0.002lx (F1.2 / AGC48dB) /0.0007lx (F1.2 / AGC48dB / accumulation 60 times
Fog Filters	Yes
Day & Night (W/B Switching)	Color / B/W / Auto (ICR)
Noise Reduction	Yes
Sens-up	Automatic

ADVANCED LENS	
Zoom	120x
Internal Extender	Yes
Fog Filter	Yes
Optical Stabilization	Yes
F Stop	F 1, 2
Auto Focus	Yes

AVAILABLE OPTIONS	
VCC27	MK1200: Pan Angle: Continuous 360°; 0,01° to 60°/sec
CCZ	Cooled Thermal Camera Zoom Lens 100 – 550 mm
VE	Video Enhancement
VE	Video Stabilization
SL	Search Light
LRF	Laser Range Finder
VIDEO OUTPUT OPTIONS	
FO	Fiber Optic Output Multi Mode or Single Mode
D	Data

SPECIFICATIONS OF THE THERMAL CAMERA OPTION

MK-1850-VCC17

THERMAL CAMERA	MODEL CCZ
Type	Cooled/ETAR
Detector	InSb
Array Format	640 x 512
Pixel Pitch	15 μ m
Wave Length	Cooled 3 - 5 μ m Detector
Optical Zoom	50 - 750 mm Continuous Zoom 18x / 8x Digital
Cooler	Long-life Cooler 20.000 hours
Image Processing	Sharpness filter with 10 settings, Adaptive Histogram Equalization, Linear AGLC, Manual Contrast and Brightness
Mil Spec	MIL-STD 810G

