

MK-1810-VCA17

EVVE HD MEDIUM-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-1810-VCA17 cameras have a standard lens (with auto focus, different filters and a 60x zoom). 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-1810-VCA17 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 (uncooled with zoom or fixed lenses) 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

MID-RANGE SURVEILLANCE

VESSEL TRAFIC MONITORING

BORDER PROTECTION

CRITICAL INFRASTRUCTURE
PROTECTION

AIRPORT PERIMETER
SURVEILLANCE

FEATURES

- ✓ The MK-1810-VCA17 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 10 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-1810-VCA17

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

STANDARD LENS	
Zoom	120x
Internal Extender	Yes
Fog Filter	Yes
Optical Stabilization	No
F Stop	F 1, 2
Auto Focus	Yes

AVAILABLE OPTIONS	
VCA27	MK1200: Pan Angle: Continuous 360°; 0,01° to 60°/sec
UTF	Uncooled Thermal Camera Fixed Lens
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

SPECIFICATION OF THE THERMAL CAMERA OPTION

MK-1810-VCA17

THERMAL CAMERA	MODEL A (UTF)
Type	Uncooled/ETAR
Array Format	320 x 240
Detector Type	VOx Uncooled Microbolometer
Pixel Pitch	17 μm
Wave Length	8-14 μm (LWIR)
Optical Zoom	Fixed Lens
Focus	Auto or Manual

