

MK-1880-HSVCCL27-TVE-CCZZ

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-1880-HSVCCL27-TVE-CCZZ cameras have an advanced lens (with auto focus, different filters, 60x zoom and optical stabilization). The cameras are turn-key solutions with the MK-1700, which is completely pre-assembled at the factory. 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-1880-HSVCCL27-TVE-CCZZ is built with the MK-1200 (continuous rotation pan and tilt unit). Moreover, it is equipped with a cooled thermal camera with zoom lens (200 – 1.200 mm), a hyper sensitivity zoom camera (providing day and night color images) and a illumination laser up to 30 km. It includes all the options, like Temperature Control, Video Stabilization & Enhancement, Search Light, Laser Range Finder and Fiber Optic 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-1880-HSVCCL27-TVE-CCZZ 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
- ✓ Visual Camera: pixel size of the images is 5.0 μm (H) x 5.0 μm (V). Total resolution is 2.270 x 1.144 px with 60 frames/sec. Low-lux 0.005 lx (f1.4, /30, +66Db)
- ✓ 3D Noise reduction for different fog filters
- ✓ Designed as an open platform to be integrated with Vessel Tracking Information Management System (VTIMS), Ground Radar, Marine Radar and Video Management Systems
- ✓ 360° continuous rotation for pan and 180° for tilt.
- ✓ Runs on Pelco D extended protocol
- ✓ Compatible with all IP communication protocols
- ✓ IP66 certified to operate in marine and desert environments
- ✓ Laser range finder 25Hz can detect fast objects (measurement time of detection 25 ms)
- ✓ Fast alarm rate less than 1%
- ✓ The camera is military grade MIL-STD-810-F
- ✓ The minimum lifetime is 20.000 hours
- ✓ Search Light with combined LED to create sun light effect on objects up to 2.5 km away
- ✓ Thermal Camera: the sensor is 1.280 x 1.024 x 15um pixels, InSb Sensor, with F5.0 200-1200mm lens

SPECIFICATIONS & OPTIONS

MK-1880-HSVCCL27-TVE-CCZZ

SYSTEM	
IP Rating (Dust & Water Ingress)	IP66
Operating Temperature Range	-40° C to +75°C
Active Internal Temperature Control (AICT)	Yes
Sealed	Yes
Connectors	ODU
Weight	105 kg
Input Voltage	110 VAC / 230 VAC
Output	Fiber Optic Multi Mode
Power Consumption	130 W

PAN & TILT UNIT	
MK-1200 Pan Angle	Continuous 360°; 0,01° to 60°/sec
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

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

INCLUDED	
HSVC	Hyper Sensitivity Camera
C	Advanced Lens
L	Laser up to 30 km
2	MK-1200 Continuous 360°
7	MK-1700 Turn-Key Solution
T	Temperature Control (Inside always 20-25°C)
VE	Video Enhancement & Stabilization
CCZZ	Cooled Thermal Camera Zoom Lens 200 - 1.200 mm
SL	Search Light
LRF	Laser Range Finder



MK-1880-HSVCCL27-TVE-CCZZ

SPECIFICATIONS CCZZ

THERMAL CAMERA

THERMAL CAMERA MODEL CCZZ	
Type	Cooled/ITAR
Detector	InSb
Array Format	1.280 x 1.024
Pixel Pitch	15 µm
Wave Length	Stirling Cooling
Optical Zoom	200 – 1.200 mm Continuous Zoom 18x / 8x Digital
Cooler	Long-life Cooler 20.000 hours
Image Processing	Automatic Gain Control (AGC)
Mil Spec	Local Area Processing (LAP) Digital Zoom with Pan Turbulence Mitigation Electronic Stabilization Temporal Noise Reduction Auto Focus

SPECIFICATIONS HSVC

HYPER SENSITIVITY CAMERA

HYPER SENSITIVITY VISUAL CAMERA HSVC	
Video Type	HD-SDI Full HD
Image Sensor	CMOS, 2/3" size, Color
Sensor Illumination	Color : 0.005lx (F1.4 / AGC66dB)
Fog Filters	Yes
Day & Night	Output Color Image, "With IR Cut" at all times
Noise Reduction	Yes
Sens-up	Move, STD, S/N, Manual
Minimum Subject Illumination	0.005lx (F1.4, 1/30, +66 dB)
Pixel Size	5.0 µm (H) × 5.0 µm (V)
Resolution - total	Approx. 2.6 Mpixels. 2.270 (H) × 1.144 (V) pixels
Sensitivity	F11 2000lx
Spectral Sensitivity	390-700 nm
Video Noise Control	KCnoise™ - proprietary 2D/3D noise reduction
Frame Rate	60 fps. Progressive
Fog & Smoke Elimination	KCfog™ - proprietary technology for enhanced visibility in foggy or smoky environments
Power Consumption	7W