

CCTV System

CCTV System intended for marine and off-shore project is based on a matrix control system. It is a color compatible modular system, which is expandable in steps of 8 camera stations

The central rack is equipped with hardware to connect 8 camera stations, 2 monitors and 2 keyboards, and is expandable to 16 camera stations, 8 monitors and 4 keyboards

PRODUCT INFORMATION

ADVANTAGES

- Promote safety by monitoring a particular place or subject
- Improve security enforcement by CCTV
- Provide safe management for hazardous area without human risk
- Overcome visual limitation by environment and conditions
- Preservation of records for reviews
- Manpower utilization and increased operational efficiency
- IACS UR E27/E10 Certified

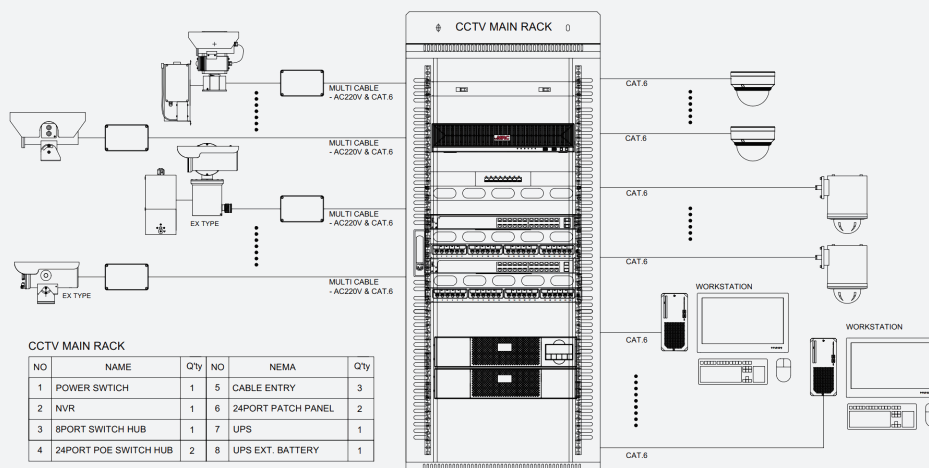
AVAILABLE SYSTEMFUNCTIONS

- Camera Selector : Any camera in a multi camera system can be selected for control and view on the monitor
- Camera Sequence : Selected cameras in a multi camera system can be set for a sequence to view
- Camera Speed : The "dwell" period, i.e. the time for the particular image of the selected camera to remain on the monitor screen, can be adjusted for the installed camera stations
- Pan/Tilt/Focus/Zoom/Iris : When a camera station has pan, tilt and zoom functions, the operator can remotely control the selected camera station as desired

Main Rack Configurable :

1. NVR : 4CH, 16CH, 32CH, 64CH Cameras
2. Hub Switch : 8/16/24-Port(POE. Power Over Ethernet)
3. UPS (Uninterruptible Power Supply) : 2KVA or Other
4. Monitor, keyboard, Mouse etc. (Optional)
5. FDF (Fiber Distribution Frame) Converter (Optional)
6. LAN Extender (Optional)

WIRING DIAGRAM OF CCTV SYSTEM



CAMERA HOUSING

MODEL	MCT-300-FHS	MCT-200-FHS
Housing		
Pan-Tilt	O	X
Fan/Heat	O	O
Wiper	Optional	Optional
IR Lamp	Optional (100m)	Optional (100m)
Alarm I/O	1/1	1/1
Audio I/O	1/1	1/1
Resolution	1920 × 1080	1920 × 1080
Focal length(Zoom Ratio)	4.5 ~ 148.5mm (33x)	4.5 ~ 148.5mm (33x)
IP Grade	IP66/67	IP66/67
(WxDxH)mm	360×310×368	150×210×198
Material	SUS316L	SUS316L
Colour	SILVER	SILVER
Weight	21kg	18kg
Digital Image Stabilization	O	O
Temperature	-40°C to +55°C	-25°C to +55°C (Option -50°C to +55°C)
Install Area	Outside	Outside

MODEL	MCT-100-FXD	MCT-PTZ-X25/X16
Housing		
Pan-Tilt	X	O
Fan/Heat	X	O
Wiper	X	X
IR Lamp	40m	100m
Alarm I/O	1/1	2/1
Audio I/O	1/1	1/1
Resolution	1920 × 1080	1920 × 1080
Focal length(Zoom Ratio)	2.7 ~ 13.5mm (5x)	5 ~ 125mm (25x/16x)
Protection	IP66	IP67
(WxDxH)mm	Ø 169 × 264mm	Ø 162 × 295mm
Material	SUS316L	Aluminum, Plastic + Metal
Colour	SILVER	White
Weight	10kg	3.5kg
Digital Image Stabilization	O	O
Temperature	-30°C to +60°C	-40°C to +70°C
Install Area	Outside	Inside

MCT-350-FHW-IR	MCT-250-FHS-IR	MCT-150-SPD
		
O	X	O
O	O	O
Optional	Optional	X
Optional (100m)	Optional (100m)	150m
1/1	1/1	2/1
1/1	1/1	
1920 × 1080	1920 × 1080	1920 × 1080
4.5 ~ 148.5mm (33x)	4.5 ~ 148.5mm (33x)	5 ~ 125mm (25x)
IP66/67	IP66/67	IP66
353×443×485	117×425×221	Ø 220 × 312mm
SUS316L	SUS316L	SUS316L
SILVER	SILVER	SILVER
45kg	20kg	13kg
O	O	O
-20°C to +55°C	-20°C to +55°C	-40°C to +65°C
Hazardous Area	Hazardous Area	Outside

MCT-FFD-12MP/5MP	MCT-FXD-L40/L28	MCT-FXZ-X05
		
X	X	X
X	X	X
X	X	X
15m	40m	40m
2/1	1/1	1/1
1/1	1/1 (Built in Mic)	1/1 (Built in Mic)
4000 × 3000	1920 × 1080	1920 × 1080
1.8mm	4.0mm/2.8mm	2.7 ~ 13.5mm (5x)
IP67	IP67	IP66
Ø 149 × 55mm	Ø111 × 83mm	Ø162 × 149mm
Metal + Plastic	Metal	Metal
White	White	White
0.524kg	0.42kg	1.40kg
X	O	O
-30°C to +60°C	-30°C to +60°C	-30°C to +60°C
Inside	Inside	Inside

Night True Color Camera

MODEL	MCT-NVB-F04/F02	MCT-NVD-F04/F02
Housing		
Pan-Tilt	X	X
Fan/Heat	X	X
Wiper	X	X
IR Lamp	Not IR Type	Not IR Type
Alarm I/O	Eusure Colorful Image without LED On	Eusure Colorful Image without LED On
Audio I/O	O/O	O/O
Resolution	O/O (Built in Mic)	O/O (Built in Mic)
Focal lenth(Zoom Ratio)	2688 × 1520 (2560 × 1440)	2688 × 1520 (2560 × 1440)
IP Grade	4.0mm/2.8mm	4.0mm/2.8mm
(WxDxH)mm	IP67	IP67
Material	206×73×73	Ø128×100mm
Colour	Graphene + Metal	Metal + Plastic
Weight	White	White
Digital Image Stabilization	0.48kg	0.63kg
Temperature	O	O
Install Area	-30°C to +60°C	-30°C to +60°C
	Inside	Inside



Thermal Camera

MODEL	MCT-NVB-F04/F02		MCT-NVD-F04/F02	
Housing				
Lens Type	Optical	Thermal	Optical	Thermal
Pan-Tilt	X		X	
Fan/Heat	X		X	
Wiper	X		X	
IR Lamp	50m	-	30m	-
Alarm I/O	2/2		2/2	
Audio I/O	1/1(Built in Mic&Speaker)		1/1(Built in Mic&Speaker)	
Resolution	2688 × 1520	1280*960	2688 × 1520	1280*960
Focal lenth(Zoom Ratio)	8.0mm	10.0mm	6.0mm	8.0mm
Protection	IP67		IP67	
(WxDxH)mm	269×96×83		Ø129×114mm	
Material	Metal + Plastic		Metal + Plastic	
Colour	White		White	
Weight	0.95kg		0.72kg	
Digital Image Stabilization	X		X	
Temperature	-40℃ to +70℃		-40℃ to +70℃	
Install Area	Δ		Δ	

Lens		FOV	Fire	Smoking	Temperature
3.2mm	Optical	72(H) 43(V) 89(D)	13m	2m	8m
	Thermal	56(H) 42(V) 72(D)			
7mm	Optical	53(H) 29(V) 66(D)	29m	5m	20m
	Thermal	25(H) 18(V) 30(D)			
10mm	Optical	42(H) 23(V) 50(D)	48m	7m	30m
	Thermal	17(H) 13(V) 21(D)			