

Monitor Equipment

Boundary Monitoring System



The video monitoring system is constituted of the video detector, information transport, video display and so on. The detector is constituted of daylight camera, uncooled infrared thermal imaging and holder.

The video monitoring system is very extendible, it could work with many kinds of video detector and show the pictures on split view.

Features & Advantages

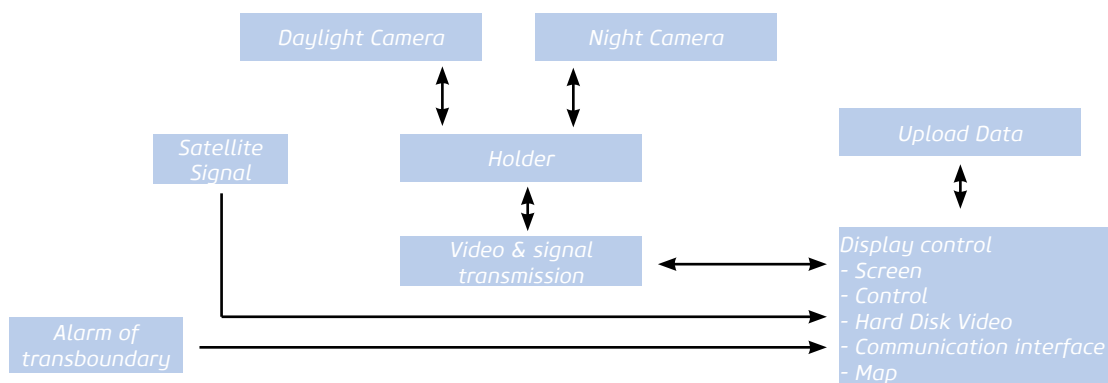
Boundary target tracking for 24 hours

Link with the alarm of transboundary

Connector for video and voice

Extendible system

SYSTEM



Monitor Equipment

Boundary Monitoring System

SYSTEM PROJECT

PROJECT 1		Visible Light Camera and laser illuminator system (dual light system), use visible light in daylight and laser illumination in night, good for saving cost)
Technical Index	Weight	≤ 20 kgs
	Operating Temperature	-40°C ~ 60°C
	Protection Level	IP66
	Operating Distance	≥ 5km/Day ; ≥ 2km/Night
Hight Definition Camera	Resolution	1920 * 1080
	Pixel	≥ 2.0 millions
	Minimum Illumination	Colour 0.002Lux @ (F1.2, AGC ON)
	Black & White	0.0002Lux @ (F1.2, AGC ON)
	Day & Night Convert Mode	ICR infrared filter disc
High Definition Camera Lens	Focal Length	10 - 210 mm
	Zoom	20X
	Connector	C
	Auto-Focus	high definition, day & night convert
Laser Illuminator	Power	≥ 15W
	Illuminate Distance	2000m
	Illuminate angle	1° ~ 60° could be remote control
	Wavelength	808nm, 940nm, 980nm optional
	Package	Seal nitrogen filled
	Heat Dissipation	Arrays of air cooling
Laser Illuminator Lens	Laser Homogenization	Multiple quantum well array laser coupling and mode mixing of micro lens waveguide fibre, remove laser speckle, make the light balance.
	Transmittance	Plate multilayer Near Infrared Antireflection films, the coupling efficiency of laser > 95%
	Cruise Mode	Auto-focus, the speckles must be coincide to make the cruise mode linkage work
High Precision Digital Holder	Load	25 kgs
	Horizontal Rotating Angle	360°
	Vertical Rotation Angle	-90° ~ 90°
	Horizontal Rotating Speed	0.01 ~ 30°/s
	Vertical Rotation Speed	0.01 ~ 15°/s
	Preset	256 modules
	Automatic Cruise	4
	Positional Accuracy	≤ 0.1°
		Worm drive, spheroidal graphite cast iron gears, ensure the system steady in different weather.

Monitor Equipment

Boundary Monitoring System

SYSTEM PROJECT

PROJECT 2	Visible light camera and infrared thermal imaging (dual light system), use visible light in daylight and infrared thermal imaging work in night, nice picture all the time.	
Technical Index	Weight	≤ 20 kgs
	Operating Temperature	-40°C ~ 60°C
	Protection Level	IP66
	Operating Distance	≥ 5km/Day ; ≥ 2km/Night
Hight Definition Camera	Resolution	1920 * 1080
	Pixel	≥ 2.0 millions
	Minimum Illumination Colour	0.002Lux @ (F1.2, AGC ON)
	Black & White	0.0002Lux @ (F1.2, AGC ON)
	Day & Night Convert Mode	ICR infrared filter disc
High Definition Camera Lens	Focal Length	10 - 210 mm
	Zoom	20X
	Connector	C
	Auto-Focus	high definition, day & night convert
Infrared Detector	Detector	uncooled
	Resolution	640 * 512
	Operating Wavelength	8um ~ 12um
Infrared Camera	Focal Length	30 ~ 150mm
	F	1.0
	Field Angle	3.5° x .8° ~ 10.4° x 8.3°
High Precision Digital Holder	Load	25 kgs
	Horizontal Rotating Angle	360°
	Vertical Rotation Angle	-90° ~ 90°
	Horizontal Rotating Speed	0.01 ~ 30°/s
	Vertical Rotation Speed	0.01 ~ 15°/s
	Preset	256 modules
	Automatic Cruise	4
	Positional Accuracy	≤ 0.1°
Worm drive, spheroidal graphite cast iron gears, ensure the system steady in different weather.		