



2Megapixel, 45X PTZ Laser , 5000 meter Day , Laser IR 2000 meter

#### FEATURES:

- High resolution: 2MP
- Night range:2000m, Day range: 5000m
- Special Function: Digital Defogging (Anti Fog Function )
- Dynamic laser IR built-in illumination
- Vandal Resistant , IP66 housing
- Auto wiper
- Rugged construction
- Direct Ethernet connection
- Embedded IP built-in web server
- Pan: 100 degree / s , Tilt :40 degree/ s
- 6 cruising tracks, 16 presets, total 128 preset
- ONVIF Protocol

#### TECHNICAL SPECIFICATION

Image Sensor	1/2.8 2.13 Mega CMOS
Total Pixels	1920X1080/25p HD Resolution
Digital Zoom	45x Optical Zoom, f=5.9 mm (wide) ~ 265.5 mm (tele), F1.8 , 12x digital
Synchronization	Internal
Video Out	1.0Vp-p (75 OM, composite)
White Balance	Auto, ATW, Indoor, Outdoor Auto, Sodium Vapor Lamp (fix/ auto), One-push, Manual
Scanning System	Progressive
Scanning frequency	Horizon: 15.625k HZ , Vertic: 50 HZ
Privacy Zone Masking	Spherical
S/N Ratio	1/2 to 1/10,000 s, 21 steps
Min. Illumination	0.02 lux Color , 0.01 Color (0 Lux with illuminator)
Wide Dynamic Range	120dB
BLC	Auto/Manual

Anti-shaking image	Yes
Special Function	ONVIF, PSIA operational
Gain	Auto/Manu/Max. Gain Limit (-3 to 28 dB, 2 dB steps)
Pan preset speed	120°/S
Tilt preset speed	80°/S
Pan speed	100°/S
Tilt speed	40°/S
Pan range	360° continuously endless
Tilt range	90°, 180° auto flip
Preset &. Track	128 presets, 6 tracks, 40 seconds pattern memory
Communication	RS485, Cat5 cable, Multi-protocol supported
Vandal Proof	YES
IP Rating	IP66
Working Environment	-20°C to 60°C ; humidity 95%
Weight &. Power	15Kg; 24VAC, 20VA
<b>Laser Illuminator</b>	
Wave length	810 nm
On/off	Photosensitive
angle of illumination	2°~50°, synchronous continuous adjustment
Night vision	2000M
<b>Video / Audio</b>	
Video Compression	H.264/MJPEG
Frame Rate	PAL:1-25fps NTSC:1-30fps
Resolution	1920x1080
Video Stream	Simultaneous Video Streaming Main 1920x1080@25 fps Sub 352x240, 704x240, 704x480 @25 fps
Image Settings	Brightness, contrast, saturation, hue, Exposure control, AES(1/2 to 1/4,000 sec.), AGC, AWB, BLC, Defog(On/Off) , Privacy mask, Motion Detection
Audio Input/Output	Mic input, speaker output (Optional)

Network	
Protocols	TCP/IP, HTTP, UDP, RTP/RTCP, RTSP, DHCP, PPPOE, UPNP, SMTP, FTP, DDNS, DNS, Multicast
Security	Multi-level user access with password protection
System Integration	
IP Camera Hardware	High performance CPU, Flash 8M, DRAM 128M, OS Built-in Linux
View System	OS: Microsoft Windows 2000/2003/XP/Vista/Win7 ONVIF PSIA
requirement	Browser: Internet Explorer 6.0 or above
WEB Server	Support WEB browser, remote config/update, replay, record
Alarm port	One D/I and one D/O for external sensor and alarm
Alarm trigger	Video lost, motion detection, external input

\* ALL PICTURES SHOWN ARE FOR ILLUSTRATION PURPOSE ONLY. ACTUAL PRODUCT MAY VARY DUE TO PRODUCT ENHANCEMENT.