

PTZ series | PTZ Camera

IPS9364N / 9368N / 9364P / 9368P 36X Day & Night WDR 650TVL PTZ Dome Camera

www.meritlilin.com



















- PTZ camera
- ▶ Pan-tilt-zoom capabilities
- ▶ 36X optical zoom
- ▶ IR cut filter for day/night operations

Dimensions: Ø 155mm x 245mm





Ø 155mm

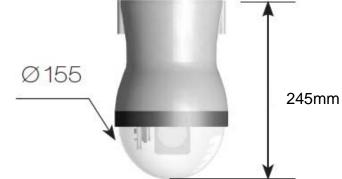
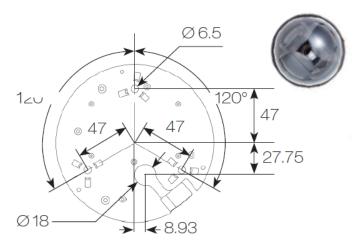


Diagram of mounting holes (unit in mm):



The IPS9364/IPS9368 is 36X Day & Night WDR 650TVL PTZ Dome IP Camera. The high-speed dome is capable of streaming HD video at up to 30 FPS. Featuring LILIN's Wide dynamic Range (WDR) feature, the IPS9364/IPS9368 captures highlights and shadows simultaneously, eliminating pixilation and smear. Combine this with 3D Noise Reduction technology and adaptive tone reproduction and the contrast of images in bright or dark areas is dramatically improved. Capable of making 360° continuous rotations, users can accurately position the camera to identify specific targets

PTZ Control Function

Pan-Tilt-Zoom (PTZ) cameras are able to perform remote directional and zoom control. Capable of making 360° continuous rotations and 120° tilt angle, the cameras field of view can be quickly zoomed and repositioned as needed to identify specific targets



Video Security App

Available on Android and iOS – **LILINViewer** app provides security alarm push notification, real-time live viewing, and remote video playback





ONVIF-compliant

Open Network Video Interface Forum (ONVIF) is a standard for physical IP based security products. IPS9364N /



9368N / 9364P / 9368P PTZ camera is ONVIF Profile S conformant

Back Light Compensation

Back Light
Compensation (BLC)
adjusts the exposure of
the entire image to
properly expose the
subject in the





foreground. No matter if the main object is moving toward left, right, upper, lower, or any location in the screen, BLC provides perfect exposure for an object in front of strong back light

Day and Night Operations via Removal of the IR-cut filter

IPS9364N / 9368N / 9364P / 9368P camera was designed using a mechanical IR cut filter for increased IR sensitivity resulting in improved night time images. The removable





IR-cut filter allows day and night operations even in the low lux condition providing outstanding vision

Motion Detection

Detect motion and capture the event. Motion in the selected area will provoke an alert



36X Optical Zoom

Remote
pan/tilt/zoom
operations with
36X optical lens
makes it possible





to zoom in on distant object with absolute clarity

Alarm Detection

Alarm Detection is designed to provide the electronic detection of intruders



SD Cards in Sync with NAV Software

IPS9364N / 9368N / 9364P / 9368P camera with built-in Micro SD/SDHC card slots can







provide redundant video viewing and recording. You can synchronise an SD card with LILIN VMS (Video Management Software) – Navigator (NAV)

Two-way Audio Support

With 2-way audio communication, you can project your voice through the camera's speaker instead of hearing what's going on (1-way audio)



Noise Reduction

Remove noise from a signal. Suppressing noise in an image in low light conditions and able to retain quality videos at the same time





Ceiling Mount

The IPS9364N / 9368N / 9364P / 9368P can easily be mounted to any ceiling



Technical Specifications

36X Day & Night WDR 650TVL PTZ Dome Camera

Video performance & Power				
Model#	IPS9364N	IPS9368N	IPS9364P	IPS9368P
System	NTSC		PAL	
Low Light Mode (Colour)	Color : 0.1 l	Lux at F1.4 , Mon	o : 0.05 Lux a	at F1.4
Power consumption	15W			
Power supply	AC24V	AC100~240V	AC24V	AC100~240V

Sensor		
Sensor type	Sony 1/4" 960H	
Effective pixels	976(H) x 494(V)	976(H) x 582(V)
Total number of pixel	1028(H) x 508(V)	1028(H) x 596(V)

Certifications	
CE	Yes
FCC	Yes

Lens	
Zoom ratio	36X optical zoom
Focal length	3.3mm~119mm
Minimum aperture ratio	1:1.4 (Wide)~4.2 (Tele)
Minimum object distance	1.5m (Tele)
Iris range	F1.6~36.2 , Close
Angle field of view	Wide: 69.52° (D) 58.00° (H) 45.30° (V) / Tele: 2.20° (D) 1.72° (H) 1.38° (V)

Pan & Tilt	
Iris	ALC (Adjustable output target level) / manual
Digital zoom ratio	256X
Panning range	360° Endless
Panning mode	Manual , Auto , Manual Position , Sequential Position
Panning speed	Manual approx. 0.15°/s~120°/s 8 Steps, 16 Steps / Preset approx. 1°/s~255°/s, Alarm Trigger Speed 360°/s
Tilting range	-6°~96°
Tilting mode	Manual , Auto , Manual Position , Sequential Position
Tilting speed	Manual approx. 0.15°/s ~120°/s 8 Steps, 16 Steps / Preset approx. 1°/s ~255°/s, Alarm Trigger Speed 360°/s

Environmental	
Ambient operating temperature	-10°C~+ 50°C (14°F~122°F)
Operating humidity	0%~90%

PC requirement	
CPU	Intel Pentium 4 1.8GHz or above
OS	Windows 2000 , Windows XP , Windows Vista, Windows 7
RAM	1GB or above ,Independent Display Card
Web browser	Microsoft® Internet Explorer® 6.0 or later

Mechanical	
Dimensions	Ø 155 mm x 245 mm
Weight	2300g approx.

Input / output	
Video output	CVBS 1.0 Vp-p / 75 Ω BNC
Alarm input / output	3 input [Alarm in 1 – 3 (NC / NO) (TTL 5VDC)], 1 output (Alarm out NC / NO) (0.5A 120VAC,1A 24VAC)

Video sreaming	
Video compression	H.264 , Motion JPEG
Streaming	RTP/HTTP, RTP/TCP, RTP/UDP, Multicast
Bitrate	128 Kbps to 5 Mbps Frame rate and bitrate controllable on-the-fly VBR / CBR / GOP supported

Video resolution (H x V)	
960H	960 x 480 (NTSC)
	960 x 576 (PAL)
D1	720 x 480
CIF	352 X 240
Frame rate	H.264 : up to 30/25 FPS at 960H resolution
	Motion JPEG : up to 30/25 FPS at D1 resolution
Horizontal resolution	Color: 650 TV Lines, Mono: 700 TV Lines

Scanning system 2:1 Interlace ATW / AWC / manual (1800K~10500K) Electric shutter speed (For model#: (For	Video functions	
White balance ATW / AWC / manual (1800K ~ 10500K) Electric shutter speed 1/60 to 1/100,000 (For model#: 1PS39364N)9368N) Scanning frequency 15.734KH2(H) / 60H2(V) 15.625KH2(H) / 50Hz(V) Synchronization Internal / line lock selectable Back light compensation OFF / ON Off / on selectable (up to 8 zones settings) Auto mode OFF / AUTO / SEQ / TOUR / PATROL(stop / play / learn) Auto gain control Off /low / middle / high Adjustable setting Adjustable setting Off / on friend / line back selectable Off / on selectable (up to 8 zones settings) Auto gain control Off /low / middle / high Adjustable setting Off / on friend / high On	Day/Night (IR-cut filter)	Colour (Day), Monochrome (Night), Auto, Schedule
1/60 to 1/100,000		
(For model#: (For model#: PS936AN/936BN) PS936AN/936BN) PS936AN/936BN) PS936AN/936BN) PS936AN/936BP)	vvnite balance	
iPS9364N/9368N) iPS9364P/9368P) Scanning frequency 15.734KHz(H) / 60Hz(V) Synchronization 15.734KHz(H) / 60Hz(V) Synchronization 15.734KHz(H) / 60Hz(V) Synchronization 15.734KHz(H) / 60Hz(V) Sak light compensation OFF / ON OFF / ON OFF / ON ON OFF / ON ON OFF / ON ON OFF / ON OFF / ON OFF / ON OFF / ON	Electric shutter speed	
Scanning frequency Synchronization Back light compensation DrF / ON Privacy zone Of / On selectable (up to 8 zones settings) Auto mode OFF / AUTO / SEQ / TOUR / PATROL (stop / play / learn) Schedule setting Alarm input / Auto mode / daylight saving time Auto gain control Off / On / Sec / TOUR / PATROL (stop / play / learn) Alarm sinput / Auto mode / daylight saving time Auto gain control Off / Jow / middle / high Adjustable setting Sharpness Digital effect Off / V-flip / mirror / rotate Signal to noise ratio More Than 50 dB (AGC : Off) Pon quality setting Integration Mobile application Integrated to LILIN mobile app (LILINViewer) iPhone, iPad, Android support ONVIF Profile S LILIN CMX3 6 NAV 1.0 Third party VMS through LILIN HTTP API Firmware upgrade via HTTP Firmware available to download at meritillin.com Alarm event Alarm weighted mode Support Network Ethernet 10Mbps / 100Mbps , RJ-45 Connectivity ONVIF Profile S 8 simultaneous users CPU, Memory Wideo display LILIN Universal ActiveX & LILIN Java Applet OS Embedded Soc ARM11, 528MHz, 256MB DDR2, 256MB flash memory Video display LILIN Universal ActiveX & LILIN Java Applet OS Embedded Linux 2.6.32 2-way audio supported G.711 Profocols Protocols IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPDE, DNS, Telnet, RTSP, RTCP, ONVIF Profile S, ICMP, IGMP LILIN (MLP1, MLP2) / PELCO-D / PELCO-P / Panasonic / Kalatel Wutti IP address Network security User accounts Multi IP address Multiple user access levels with password protection Encryption Base 64 HTTP encryption IP filter Yes		
Back light compensation Privacy zone Off / on selectable (up to 8 zones settings) Auto mode OFF / AUTO / SEQ / TOUR / PATROL(stop / play / learn) Schedule setting Auto gain control Off /low / middle / high Adjustable setting Sharpness Digital effect Off / V-flip / mirror / rotate Signal to noise ratio D/N quality setting More Than 50 dB (AGC : Off) Yes Integration Mobile application Wideo management Video management Video management Video management Firmware upgrade via HTTP Firmware upgrade via HTTP Firmware available to download at meritillin.com Alarm event Alarm weighted mode Support Network Ethernet 10Mbps / 100Mbps , RJ-45 Connectivity ONVIF Profile S 8 simultaneous users CPU, Memory Wideo display LILIN Universal ActiveX & LILIN Java Applet CPU, Memory Under Simulation Firp, CPU, DP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPGE, DNS, Telnet, RTSP, RTCP, ONVIF Profile S, ICMP, IGMP LILIN (MLP1, MLP2) / PELCO-D / PELCO-P / Panasonic / Kalatel Yes Network security User accounts Multi IP address Multiple user access levels with password protection Encryption IP filter Yes	Scanning frequency	
Privacy zone Off / on selectable (up to 8 zones settings) Auto mode OFF / AUTO / SEQ / TOUR / PATROL(stop / play / learn) Schedule setting Alarm input / Auto mode / daylight saving time Auto gain control Off /low / middle / high Adjustable setting Sharpness Digital effect Off / V-flip / mirror / rotate Signal to noise ratio More Than 50 dB (AGC : Off) // Yes Integration Mobile application Integrated to LILIN mobile app (LILINViewer) iPhone, iPad, Android support ONVIF Profile S LILIN CMX3.6 NAV 1.0 Third party VMS through LILIN HTTP API Firmware Alarm event FTP,SMTP, HTTP post, SD card, SAMBA Support Network Ethernet 10Mbps / 100Mbps , RJ-45 Connectivity ONVIF Profile S Users 8 simultaneous users CPU, Memory Embedded Soc ARM11, 528MHz, 256MB DDR2, 256MB flash memory Video display LILIN Universal Active X & LILIN Java Applet Embedded Linux 2.6.32 2-way audio supported G.711 Protocols IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPGE, DNS, Telnet, RTSP, RTCP, ONVIF Profile S, ICMP, IGMP LILIN (MLP1,MLP2) / PELCO-D / PELCO-P / Panasonic / Kalatel Ves Network security User accounts Multiple user access levels with password protection Encryption Base 64 HTTP encryption IP filter Yes	Synchronization	
Auto mode Schedule setting Alarm input / Auto mode / daylight saving time Alarm input / Auto mode / daylight saving time Off /low / middle / high Adjustable setting Sharpness Digital effect Off / V-flip / mirror / rotate Signal to noise ratio D/N quality setting Yes Integrated to LILIN mobile app (LILINViewer) iPhone, iPad, Android support ONVIF Profile S LILIN CMX3.6 NAV 1.0 Third party VMS through LILIN HTTP API Firmware Firmware available to download at meritillin.com Alarm event Alarm weighted mode Support Network Ethernet ONMIF Profile S Users 8 simultaneous users CPU, Memory Wideo display UILIN Universal ActiveX & LILIN Java Applet Embedded Linux 2.6.32 2-way audio supported G.711 Protocols Protocols Network security User accounts Multi IP address Network security User accounts Multi IP address Multiple user access levels with password protection Base 64 HTTP encryption IP filter Yes		
Alarm input / Auto mode / daylight saving time Auto gain control Adjustable setting Sharpness Digital effect Off / V-flip / mirror / rotate Signal to noise ratio D/N quality setting More Than 50 dB (AGC : Off) D/N quality setting Integrated to LILIN mobile app (LILINViewer) iPhone, iPad, Android support ONVIF Profile S LILIN CMX3.6 NAV 1.0 Third party VMS through LILIN HTTP API Firmware Firmware upgrade via HTTP Firmware vent Alarm event Alarm weighted mode Network Ethernet 10Mbps / 100Mbps , RJ-45 Connectivity ONVIF Profile S 8 simultaneous users CPU, Memory Embedded Soc ARM11, 528MHz, 256MB DDR2, 256MB flash memory Video display LILIN Universal ActiveX & LILIN Java Applet Embedded Linux 2.6.32 2-way audio supported G.711 Protocols Multi IP address Network security User accounts 10 user accounts available Access Multiple user access levels with password protection Base 64 HTTP encryption IP filter Yes	J	
Auto gain control Adjustable setting Sharpness Digital effect Off / V-flip / mirror / rotate Signal to noise ratio D/N quality setting More Than 50 dB (AGC : Off) Yes Integration Mobile application Mobile application Integrated to LILIN mobile app (LILINViewer) iPhone, iPad, Android support ONVIF Profile S LILIN CMX3.6 NAV 1.0 Third party VMS through LILIN HTTP API Firmware Firmware upgrade via HTTP Firmware available to download at meritlilin.com Alarm event Alarm event Alarm weighted mode Support Network Ethernet 10Mbps / 100Mbps , RJ-45 Connectivity ONVIF Profile S Users 8 simultaneous users CPU, Memory Firmbedded SoC ARM11, 528MHz, 256MB DDR2, 256MB flash memory Video display LILIN Universal ActiveX & LILIN Java Applet OS Embedded Linux 2.6.32 2-way audio supported G.711 Protocols IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, Telnet, RTSP, RTCP, ONVIF Profile S, ICMP, IGMP LILIN (MLP1,MLP2) / PELCO-D / PELCO-P / Panasonic / Kalatel Yes Network security User accounts Multi IP address Multiple user access levels with password protection Encryption IP filter Yes		
Adjustable setting Digital effect Off / V-flip / mirror / rotate Signal to noise ratio D/N quality setting Yes Integration Mobile application Mobile application Video management Video management ILIN CMX3.6 NAV 1.0 Third party VMS through LILIN HTTP API Firmware Firmware upgrade via HTTP Firmware available to download at meritilin.com Alarm event Alarm weighted mode Support Network Ethernet 10Mbps / 100Mbps , RJ-45 Connectivity Users CPU, Memory Video display UILIN Universal ActiveX & LILIN Java Applet CS 2-way audio supported Protocols IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPDE, DNS, Telnet, RTSP, RTCP, ONVIF Profile S, ICMP, IGMP LILIN (MLP1, MLP2) / PELCO-D / PELCO-P / Panasonic / Kalatel Multi IP address Multiple user accounts available Access Multiple user access levels with password protection Encryption IP filter Yes		
Digital effect Off / V-flip / mirror / rotate Signal to noise ratio D/N quality setting Yes Integration Mobile application Mobile application Mobile application Integrated to LILIN mobile app (LILINViewer) iPhone, iPad, Android support ONVIF Profile S LILIN CMX3.6 NAV 1.0 Third party VMS through LILIN HTTP API Firmware Firmware upgrade via HTTP Firmware available to download at meritilin.com Alarm weighted mode Support Network Ethernet 10Mbps / 100Mbps , RJ-45 Connectivity ONVIF Profile S Users CPU, Memory Video display LILIN Universal ActiveX & LILIN Java Applet Embedded Soc ARM11, 528MHz, 256MB DDR2, 256MB flash memory Video display LILIN Universal ActiveX & LILIN Java Applet Embedded Linux 2.6.32 G.711 IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPOE, DNS, Telnet, RTSP, RTCP, ONVIF Profile S, ICMP, IGMP LILIN (MLP1,MLP2) / PELCO-D / PELCO-P / Panasonic / Kalatel Multi IP address Network security User accounts 10 user accounts available Access Multiple user access levels with password protection Encryption Base 64 HTTP encryption IP filter Yes	Auto gain control	Off /low / middle / high
Signal to noise ratio D/N quality setting Pes Integration Mobile application Mobile application Mobile application Notideo management Integrated to LILIN mobile app (LILINViewer) iPhone, iPad, Android support ONVIF Profile S LILIN CMX3.6 NAV 1.0 Third party VMS through LILIN HTTP API Firmware Firmware available to download at meritiilin.com Alarm event Alarm event Alarm weighted mode Support Network Ethernet 10Mbps / 100Mbps , RJ-45 Connectivity ONVIF Profile S Users 8 simultaneous users CPU, Memory Embedded SoC ARM11, 528MHz, 256MB DDR2, 256MB flash memory Video display LILIN Universal ActiveX & LILIN Java Applet OS Embedded Linux 2.6.32 2-way audio supported G.711 Protocols IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, Telnet, RTSP, RTCP, ONVIF Profile S, ICMP, IGMP LILIN (MLP1,MLP2) / PELCO-D / PELCO-P / Panasonic / Kalatel Multi IP address Network security User accounts Multiple user access levels with password protection Encryption Base 64 HTTP encryption IP filter Yes	Adjustable setting	Sharpness
Integration Mobile application Mobile application Integrated to LILIN mobile app (LILINViewer) iPhone, iPad, Android support ONVIF Profile S LILIN CMX3.6 NAV 1.0 Third party VMS through LILIN HTTP API Firmware upgrade via HTTP Firmware available to download at meritillin.com Alarm event Alarm weighted mode Network Ethernet 10Mbps / 100Mbps , RJ-45 Connectivity ONVIF Profile S 8 simultaneous users CPU, Memory Embedded SoC ARM11, 528MHz, 256MB DDR2, 256MB flash memory Video display LILIN Universal ActiveX & LILIN Java Applet OS Embedded Linux 2.6.32 2-way audio supported G.711 Protocols IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPOE, DNS, Telnet, RTSP, RTCP, ONVIF Profile S, ICMP, IGMP LILIN (MLP1,MLP2) / PELCO-D / PELCO-P / Panasonic / Kalatel Multi IP address Yes Network security User accounts 10 user accounts available Access Multiple user access levels with password protection Encryption Base 64 HTTP encryption IP filter Yes	Digital effect	Off / V-flip / mirror / rotate
Integration Mobile application Mobile application Integrated to LILIN mobile app (LILINViewer) iPhone, iPad, Android support ONVIF Profile S LILIN CMX3.6 NAV 1.0 Third party VMS through LILIN HTTP API Firmware	Signal to noise ratio	, ,
Mobile application Integrated to LILIN mobile app (LILINViewer) iPhone, iPad, Android support ONVIF Profile S LILIN CMX3.6 NAV 1.0 Third party VMS through LILIN HTTP API Firmware Firmware upgrade via HTTP Firmware available to download at meritiliin.com Alarm event Alarm weighted mode Network Ethernet 10Mbps / 100Mbps , RJ-45 Connectivity ONVIF Profile S 8 simultaneous users CPU, Memory Video display LILIN Universal ActiveX & LILIN Java Applet Sembedded Linux 2.6.32 2-way audio supported G.711 Protocols IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, Telnet, RTSP, RTCP, ONVIF Profile S, ICMP, IGMP LILIN (MLP1,MLP2) / PELCO-D / PELCO-P / Panasonic / Kalatel Yes Network security User accounts Multi IP address Multiple user access levels with password protection Encryption Base 64 HTTP encryption IP filter Yes	D/N quality setting	Yes
Mobile application Integrated to LILIN mobile app (LILINViewer) iPhone, iPad, Android support ONVIF Profile S LILIN CMX3.6 NAV 1.0 Third party VMS through LILIN HTTP API Firmware Firmware upgrade via HTTP Firmware available to download at meritiliin.com Alarm event Alarm weighted mode Network Ethernet 10Mbps / 100Mbps , RJ-45 Connectivity ONVIF Profile S 8 simultaneous users CPU, Memory Video display LILIN Universal ActiveX & LILIN Java Applet Sembedded Linux 2.6.32 2-way audio supported G.711 Protocols IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, Telnet, RTSP, RTCP, ONVIF Profile S, ICMP, IGMP LILIN (MLP1,MLP2) / PELCO-D / PELCO-P / Panasonic / Kalatel Yes Network security User accounts Multi IP address Multiple user access levels with password protection Encryption Base 64 HTTP encryption IP filter Yes	Integration	
Video management Video management ONVIF Profile S LILIN CMX3.6 NAV 1.0 Third party VMS through LILIN HTTP API Firmware Firmware upgrade via HTTP Firmware available to download at meritiliin.com Alarm event Alarm weighted mode Network Ethernet 10Mbps / 100Mbps , RJ-45 Connectivity ONVIF Profile S Users 8 simultaneous users CPU, Memory Embedded SoC ARM11, 528MHz, 256MB DDR2, 256MB flash memory Video display LILIN Universal ActiveX & LILIN Java Applet CS Embedded Linux 2.6.32 2-way audio supported G.711 Protocols IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, Telnet, RTSP, RTCP, ONVIF Profile S, ICMP, IGMP LILIN (MLP1,MLP2) / PELCO-D / PELCO-P / Panasonic / Kalatel Yes Network security User accounts 10 user accounts available Access Multiple user access levels with password protection Encryption Base 64 HTTP encryption IP filter Yes		
LILIN CMX3.6 NAV 1.0 Third party VMS through LILIN HTTP API Firmware	тиобпе аррпсацоп	
Third party VMS through LILIN HTTP API Firmware Upgrade via HTTP Firmware upgrade via HTTP Firmware available to download at meritilin.com Alarm event Alarm event Alarm weighted mode Support Network Ethernet 10Mbps / 100Mbps , RJ-45 Connectivity ONVIF Profile S Users 8 simultaneous users CPU, Memory Embedded SoC ARM11, 528MHz, 256MB DDR2, 256MB flash memory Video display LILIN Universal ActiveX & LILIN Java Applet Embedded Linux 2.6.32 2-way audio supported G.711 Protocols IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, Telnet, RTSP, RTCP, ONVIF Profile S, ICMP, IGMP LILIN (MLP1, MLP2) / PELCO-D / PELCO-P / Panasonic / Kalatel Wes Network security User accounts 10 user accounts available Access Multiple user access levels with password protection Encryption Base 64 HTTP encryption IP filter Yes	Video management	
Firmware upgrade via HTTP Firmware available to download at meritlilin.com Alarm event Alarm event FTP,SMTP, HTTP post, SD card, SAMBA Alarm weighted mode Support Network Ethernet Connectivity Users Service CPU, Memory Video display User Users CPU, Memory Video display User accounts CRITI Protocols IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPOE, DNS, Telnet, RTSP, RTCP, ONVIF Profile S, ICMP, IGMP LILIN (MLP1,MLP2) / PELCO-D / PELCO-P / Panasonic / Kalatel Multi IP address Ves Network security User accounts 10 user accounts available Access Multiple user access levels with password protection Encryption Base 64 HTTP encryption IP filter Yes	<u> </u>	
Firmware available to download at meritlilin.com Alarm event FTP,SMTP, HTTP post, SD card, SAMBA Alarm weighted mode Support Network Ethernet 10Mbps / 100Mbps , RJ-45 Connectivity ONVIF Profile S Users 8 simultaneous users Embedded SoC ARM11, 528MHz, 256MB DDR2, 256MB flash memory Video display LILIN Universal ActiveX & LILIN Java Applet OS Embedded Linux 2.6.32 2-way audio supported G.711 Protocols IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, Telnet, RTSP, RTCP, ONVIF Profile S, ICMP, IGMP LILIN (MLP1,MLP2) / PELCO-D / PELCO-P / Panasonic / Kalatel Multi IP address Yes Network security User accounts 10 user accounts available Access Multiple user access levels with password protection Encryption Base 64 HTTP encryption IP filter Yes		
Alarm event Alarm weighted mode Support Network Ethernet Connectivity Users CPU, Memory Video display CS 2-way audio supported IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, Telnet, RTSP, RTCP, ONVIF Profile S, ICMP, IGMP LILIN (MLP1,MLP2) / PELCO-D / PELCO-P / Panasonic / Kalatel Multi IP address Network security User accounts Multiple user access levels with password protection Encryption Base 64 HTTP encryption IP filter Yes	Firmware	
Network Ethernet	Alarm event	
Ethernet 10Mbps / 100Mbps , RJ-45 Connectivity ONVIF Profile S Users 8 simultaneous users CPU, Memory Embedded SoC ARM11, 528MHz, 256MB DDR2, 256MB flash memory Video display LILIN Universal ActiveX & LILIN Java Applet OS Embedded Linux 2.6.32 2-way audio supported G.711 Protocols IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, Telnet, RTSP, RTCP, ONVIF Profile S, ICMP, IGMP LILIN (MLP1,MLP2) / PELCO-D / PELCO-P / Panasonic / Kalatel Multi IP address Yes Network security User accounts 10 user accounts available Access Multiple user access levels with password protection Encryption Base 64 HTTP encryption IP filter Yes	Alarm weighted mode	Support
Connectivity Users 8 simultaneous users CPU, Memory Embedded SoC ARM11, 528MHz, 256MB DDR2, 256MB flash memory Video display LILIN Universal ActiveX & LILIN Java Applet Embedded Linux 2.6.32 2-way audio supported G.711 Protocols IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, Telnet, RTSP, RTCP, ONVIF Profile S, ICMP, IGMP LILIN (MLP1, MLP2) / PELCO-D / PELCO-P / Panasonic / Kalatel Multi IP address Network security User accounts 10 user accounts available Multiple user access levels with password protection Encryption Base 64 HTTP encryption IP filter Yes	Network	
Users 8 simultaneous users CPU, Memory Embedded SoC ARM11, 528MHz, 256MB DDR2, 256MB flash memory Video display LILIN Universal ActiveX & LILIN Java Applet OS Embedded Linux 2.6.32 2-way audio supported G.711 Protocols IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, Telnet, RTSP, RTCP, ONVIF Profile S, ICMP, IGMP LILIN (MLP1, MLP2) / PELCO-D / PELCO-P / Panasonic / Kalatel Multi IP address Yes Network security User accounts 10 user accounts available Access Multiple user access levels with password protection Encryption Base 64 HTTP encryption IP filter Yes	Ethernet	10Mbps / 100Mbps , RJ-45
CPU, Memory Embedded SoC ARM11, 528MHz, 256MB DDR2, 256MB flash memory Video display LILIN Universal ActiveX & LILIN Java Applet Embedded Linux 2.6.32 2-way audio supported G.711 Protocols IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, Telnet, RTSP, RTCP, ONVIF Profile S, ICMP, IGMP LILIN (MLP1, MLP2) / PELCO-D / PELCO-P / Panasonic / Kalatel Yes Network security User accounts 10 user accounts available Access Multiple user access levels with password protection Encryption Base 64 HTTP encryption IP filter Yes	Connectivity	
Video display LILIN Universal ActiveX & LILIN Java Applet Embedded Linux 2.6.32 2-way audio supported IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, Telnet, RTSP, RTCP, ONVIF Profile S, ICMP, IGMP LILIN (MLP1,MLP2) / PELCO-D / PELCO-P / Panasonic / Kalatel Multi IP address Network security User accounts 10 user accounts available Access Multiple user access levels with password protection Encryption Base 64 HTTP encryption IP filter Yes	Users	
Uideo display LILIN Úniversal ActiveX & LILIN Java Applet Embedded Linux 2.6.32 2-way audio supported G.711 IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, Telnet, RTSP, RTCP, ONVIF Profile S, ICMP, IGMP LILIN (MLP1,MLP2) / PELCO-D / PELCO-P / Panasonic / Kalatel Multi IP address Yes Network security User accounts 10 user accounts available Access Multiple user access levels with password protection Encryption Base 64 HTTP encryption IP filter Yes	CPU, Memory	
OS Embedded Linux 2.6.32 2-way audio supported G.711 IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, Telnet, RTSP, RTCP, ONVIF Profile S, ICMP, IGMP LILIN (MLP1,MLP2) / PELCO-D / PELCO-P / Panasonic / Kalatel Multi IP address Yes Network security User accounts 10 user accounts available Access Multiple user access levels with password protection Encryption Base 64 HTTP encryption IP filter Yes		
2-way audio supported G.711 Protocols IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, Telnet, RTSP, RTCP, ONVIF Profile S, ICMP, IGMP LILIN (MLP1,MLP2) / PELCO-D / PELCO-P / Panasonic / Kalatel Multi IP address Yes Network security User accounts 10 user accounts available Access Multiple user access levels with password protection Encryption Base 64 HTTP encryption IP filter Yes	Video display	
Protocols IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, Telnet, RTSP, RTCP, ONVIF Profile S, ICMP, IGMP LILIN (MLP1,MLP2) / PELCO-D / PELCO-P / Panasonic / Kalatel Multi IP address Yes Network security User accounts 10 user accounts available Access Multiple user access levels with password protection Encryption Base 64 HTTP encryption IP filter Yes		LILIN Úniversal ActiveX & LILIN Java Applet
DHCP, PPPoE, DNS, Telnet, RTSP, RTCP, ONVIF Profile S, ICMP, IGMP LILIN (MLP1,MLP2) / PELCO-D / PELCO-P / Panasonic / Kalatel Multi IP address Yes Network security User accounts 10 user accounts available Access Multiple user access levels with password protection Encryption Base 64 HTTP encryption IP filter Yes	OS	LILIN Úniversal ActiveX & LILIN Java Applet
ONVIF Profile S, ICMP, IGMP LILIN (MLP1,MLP2) / PELCO-D / PELCO-P / Panasonic / Kalatel Multi IP address Yes Network security User accounts 10 user accounts available Access Multiple user access levels with password protection Encryption Base 64 HTTP encryption IP filter Yes	OS	LILIN Úniversal ActiveX & LILIN Java Applet Embedded Linux 2.6.32 G.711
LILIN (MLP1,MLP2) / PELCO-D / PELCO-P / Panasonic / Kalatel Multi IP address Yes Network security User accounts 10 user accounts available Access Multiple user access levels with password protection Encryption Base 64 HTTP encryption IP filter Yes	OS 2-way audio supported	LILIN Úniversal ActiveX & LILIN Java Applet Embedded Linux 2.6.32 G.711 IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP,
Kalatel Multi IP address Yes Network security User accounts 10 user accounts available Access Multiple user access levels with password protection Encryption Base 64 HTTP encryption IP filter Yes	OS 2-way audio supported	LILIN Úniversal ActiveX & LILIN Java Applet Embedded Linux 2.6.32 G.711 IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, Telnet, RTSP, RTCP,
Multi IP address Network security User accounts 10 user accounts available Access Multiple user access levels with password protection Encryption Base 64 HTTP encryption IP filter Yes	Video display OS 2-way audio supported Protocols	LILIN Úniversal ActiveX & LILIN Java Applet Embedded Linux 2.6.32 G.711 IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, Telnet, RTSP, RTCP, ONVIF Profile S, ICMP, IGMP
Network security User accounts 10 user accounts available Access Multiple user access levels with password protection Encryption Base 64 HTTP encryption IP filter Yes	OS 2-way audio supported	LILIN Úniversal ActiveX & LILIN Java Applet Embedded Linux 2.6.32 G.711 IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, Telnet, RTSP, RTCP, ONVIF Profile S, ICMP, IGMP LILIN (MLP1,MLP2) / PELCO-D / PELCO-P / Panasonic /
User accounts 10 user accounts available Access Multiple user access levels with password protection Encryption Base 64 HTTP encryption IP filter Yes	OS 2-way audio supported Protocols	LILIN Úniversal ActiveX & LILIN Java Applet Embedded Linux 2.6.32 G.711 IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, Telnet, RTSP, RTCP, ONVIF Profile S, ICMP, IGMP LILIN (MLP1,MLP2) / PELCO-D / PELCO-P / Panasonic / Kalatel
Access Multiple user access levels with password protection Encryption Base 64 HTTP encryption IP filter Yes	OS 2-way audio supported Protocols Multi IP address	LILIN Úniversal ActiveX & LILIN Java Applet Embedded Linux 2.6.32 G.711 IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, Telnet, RTSP, RTCP, ONVIF Profile S, ICMP, IGMP LILIN (MLP1,MLP2) / PELCO-D / PELCO-P / Panasonic / Kalatel
Encryption Base 64 HTTP encryption IP filter Yes	OS 2-way audio supported Protocols	LILIN Úniversal ActiveX & LILIN Java Applet Embedded Linux 2.6.32 G.711 IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, Telnet, RTSP, RTCP, ONVIF Profile S, ICMP, IGMP LILIN (MLP1,MLP2) / PELCO-D / PELCO-P / Panasonic / Kalatel
IP filter Yes	OS 2-way audio supported Protocols Multi IP address	LILIN Úniversal ActiveX & LILIN Java Applet Embedded Linux 2.6.32 G.711 IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, Telnet, RTSP, RTCP, ONVIF Profile S, ICMP, IGMP LILIN (MLP1,MLP2) / PELCO-D / PELCO-P / Panasonic / Kalatel Yes 10 user accounts available
	OS 2-way audio supported Protocols Multi IP address Network security	LILIN Úniversal ActiveX & LILIN Java Applet Embedded Linux 2.6.32 G.711 IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, Telnet, RTSP, RTCP, ONVIF Profile S, ICMP, IGMP LILIN (MLP1,MLP2) / PELCO-D / PELCO-P / Panasonic / Kalatel Yes 10 user accounts available
RTSP Authentication On / Off	OS 2-way audio supported Protocols Multi IP address Network security User accounts Access Encryption	LILIN Universal ActiveX & LILIN Java Applet Embedded Linux 2.6.32 G.711 IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, Telnet, RTSP, RTCP, ONVIF Profile S, ICMP, IGMP LILIN (MLP1,MLP2) / PELCO-D / PELCO-P / Panasonic / Kalatel Yes 10 user accounts available Multiple user access levels with password protection Base 64 HTTP encryption
	OS 2-way audio supported Protocols Multi IP address Network security User accounts Access Encryption IP filter	LILIN Universal ActiveX & LILIN Java Applet Embedded Linux 2.6.32 G.711 IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, Telnet, RTSP, RTCP, ONVIF Profile S, ICMP, IGMP LILIN (MLP1,MLP2) / PELCO-D / PELCO-P / Panasonic / Kalatel Yes 10 user accounts available Multiple user access levels with password protection Base 64 HTTP encryption Yes

Main functions	
Control function	Pan and tilt / zoom and focus / iris and icr / 128 preset
	position / home position / patrol
Zoom speed	Slow / mid. / Fast Selectable [fast : approx. 7.0 second (tele
	to wide) in manual mode]
Focus speed	Slow / mid. / Fast Selectable [fast : approx. 7.0 second (far to
1 0003 3pcca	near) in manual mode]
Character display	On / off (preset id : 16 alphanumeric characters , zoom ratio ,
Orial acter display	alarm message , date / time , pan / tilt angle)
Web PTZ control	Pan, tilt, zoom in / out, absolute position, and
VCD 1 12 control	video-click-n-move

	video-click-ti-filove
Alarm function	Image upload over FTP and E-mail by alarm / motion detection
Auto focus	Auto / One push
2D+3D Digital noise reduction	Off /low / middle / high
PTZ preset scheduling	Yes, via web interface
Exposure mode	Auto / Manual
Wide Dynamic Range	OFF / ON (60 dB)
Control interface	RS-485 Transmission
Password lock	Function setup

Off / on

Off / on / auto

Electronic image stabilizer

HLC (High light compensation)