



# FD2452

**IMEGAPRO**

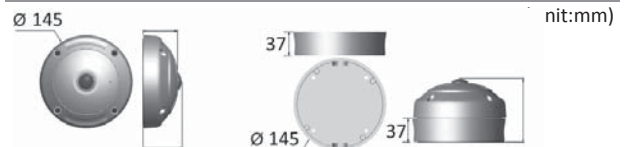
## Day & Night 360° Panorama Dome IP Camera



### Features

- Full HD 5.0 megapixel CMOS image sensor
- True H.264 AVC/MPEG-4 part 10 real-time video compression
- H.264 and Motion JPEG multi-profile video streaming
- 3D noise reduction
- 2D WDR function
- Provide 360 degree view of entire scene without any blind spot
- 360 degree entire scene from one camera and no mechanical PTZ (Pan, Tilt, Zoom) motor needed
- Up to 4 independent distortion corrected view angle can be specified
- Audio / Motion detection alarm function
- Day & Night (IR cut removable)
- 2-way audio supported
- Digital I/O : 1 in, 1 out
- ONVIF Profile S supported

### Dimensions $\Phi 145 \times 60\text{mm}$



IP CAMERA SERIES			
Day & Night 360° Panorama Dome IP Camera			
Model	FD2452E		
Lens	Focal Length	1.05 mm	
	Iris	F2.8	
	Angle of View	H	185°
		V	185°
D		185°	
Pick Up Element	1/2.5" CMOS image sensor		
Effective Pixels	2592 (H) x 1944 (V) = 5,038,848 (pixel)		
Chip Size	5.70mm (H) x 4.28mm (V)		
Scanning System	Progressive Scan		
Infrared Cut Filter	Auto / Schedule / Day (Color) / Night (Mono)		
Min. Illumination	0.7 Lux at F2.8 (Low Light Mode)		
White Balance	Auto / Fluorescents1 / Outdoor1 / Outdoor2		
Shutter Range	Auto / 1 / 2 / 3		
Auto Gain Control	Auto		
3D Noise Reduction	Off / 1 – 32 Selectable		
2D WDR	Off / x1 / x2 / x3 / x4 / x5		
Privacy Masking	Off / On (4 zones)		
Image Effects	Brightness, Contrast, Saturation, Sharpness		
Screen Mode	Full Panorama / Wide Panorama / Around Panorama / 4 Window / 1 Window		
Live Video Output	CVBS 1.0Vp-p, 75 ohm, BNC connector		
Audio In / Output	Mono, 1.4 Vp-p, 50 K $\Omega$ , 3.5mm phone jack		
Operating Temperature	-25°C – +50°C (-13°F – 122°F)		
Dimension	$\Phi 145 \times 60\text{mm}$		
Weight	600g		
Power Supply	DC12V $\pm 10\%$ / PoE (IEEE 802.3af compliant)		
Power Consumption	DC12V, 8W / PoE, 9.2W		

NETWORK	
Video Compression	H.264 , Motion JPEG
Resolution	1080P(1920x1080), 720P(1280x720), D1(720x480), CIF(352x240)
Multiple profile	Profile #1 H.264 : up to 30 fps @ 1920 x 1080 , MJPEG : up to 30 fps @ 720 x 480
	Profile #2 H.264 : up to 30 fps @ 1280 x 720 , MJPEG : up to 30 fps @ 352 x 240
	Profile #3 H.264 : up to 30 fps @ 1920 x 1080 , MJPEG : up to 30 fps @ 1280 x 720
	Profile #4 H.264 : up to 30 fps @ 720 x 480 , MJPEG : up to 15 fps @ 1920 x 1080
Video Streaming	RTP/HTTP, RTP/TCP, RTP/UDP, Multicast 128Kbps – 10Mbps
Video Bitrate	Frame rate and bit rate controllable on-the-fly VBR / CBR / GOP supported Base64 HTTP encryption
Security	Multiple user access levels with password protection IP filter with access log 10 user accounts available 8 simultaneous users
Users	8 simultaneous users
ePTZ	Yes, controllable
OSD	Text overlay for date, time, and camera name Alarm / motion detection triggering recording into SD card
Alarm Function	Image upload over FTP and E-mail by audio / motion detection
CPU, Memory	Embedded SoC ARM11, 528MHz, 256MB DDR2, 256MB flash memory
Maintenance	Firmware update via HTTP Firmware available at web site
Network Interface	10Mbps / 100Mbps Base-T, RJ-45
PC Requirement	OS : Windows 2000, Windows XP, Windows Vista, Windows 7, Windows 8
	Browser : Windows Internet Explorer 6.0 or above CPU : Intel Pentium 4 1.8GHz or above RAM : 1GB or above, Independent Display Card
	Network Protocols
Mobile phone	iPhone, iPad, and Android support
System Integration	ONVIF & LILIN HTTP API
CMX	CMX HD 3.6 support
Video Display	LILIN Universal ActiveX & LILIN Java Applet OS Embedded Linux 2.6.32
Two-way Audio	G.711 / PCM
SD Card Recording	Support Micro SD/SDHC card for circular recording (card is not included)
Alarm Input / Output	Digital 1 input (TTL, +3 – 5VDC) / 1 Output (MOS Relay contact N.O., Load max. 40VDC/300mA)