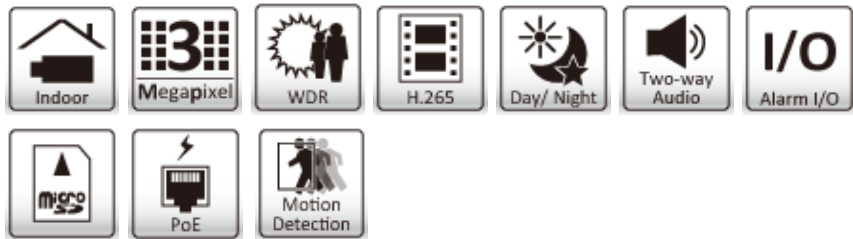# FE5403 3MP
Panoromic Fisheye IP Camera

CHAMP

– 180˚ /360˚ Fisheye Mini Dome

– H.265, 50% lower bitrate

– 30fps @ 2048 x 1520

– Edge Storage

ONVIF

Indoor	Megapixel 3	WDR	H.265	Day/ Night	Two-way Audio	Alarm I/O
microSD	PoE	Motion Detection				

The FE5403 is a compact, yet powerful fisheye dome camera featuring many cutting-edge technologies. The high resolution fisheye lens provides 360° surround view with image detail even at the normally weak edges; the backside illuminated 4-Megapixel image sensor ensures good low light sensitivity; our advanced fisheye dewarping algorithms keeps distortion lower than others while putting less computing loading on the server; and last but not least, video can be streamed in the ultra-efficient H.265 format, which has up to 50% lower bitrates and cuts your bandwidth and storage requirements in half.

It also features a removable IR-cut filter, MicroSD/SDHC/SDXC edge storage, PoE, two-way audio and alarm input/output, making it a extremely versatile camera with maximum coverage.

Features

- 1/3" 4-Megapixel CMOS sensor
- H.265, H.264, and Motion JPEG compression
- 30fps @ 2048 x 1520
- 1.05mm, F2.0 fisheye lens
- WDR
- True day & night with automatic removable IR-cut filter
- Two-way audio and built-in microphone
- 1 x alarm input, 1 x alarm output

- Edge storage
- RTC with built-in battery
- SSL v3 advanced HTTPS encryption
- Supports Samba network storage
- Multi-lingual user interface
- ONVIF 2.4 and Profile S compliant
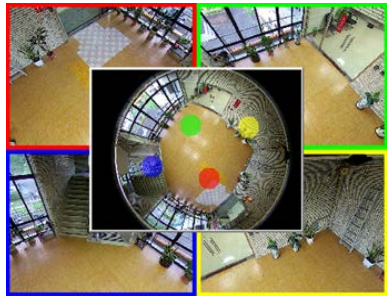- Free 32-channel NVR software

Dewarp

Origin

Single Regional

Dual Panoramic View

One Original & Four Regional

## Applications

1. Office
2. Public Area

IP Surveillance Solutions

- **Free 32ch NVR Software**

The most professional NVR software you can get for free!
- Support up to 32 channels
- Up to 32 channels remote live view
- Remote playback 4 channels
- Multi-site / multi-server
- Transcoding (record high quality, transcode to different resolution/
frame rate for remote client to save bandwidth)
- iOS/ Android mobile client (multi-channel live view | playback | PTZ & I/O
control)
- E-maps (up to 4 layers | unlimited number of maps | video preview)
- Dual monitor
- ePTZ
- Multi-lingual user interface
*32ch free license for CHAMP cameras, but need to activate license for
other brand
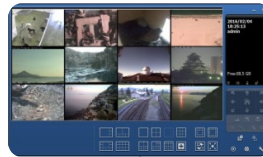
- **ONVIF**

**All IP cameras are ONVIF 2.x & Profile
S compliant,
and continuously upgraded to comply
with the latest versions**

Technical Specifications

Camera

Model	FE5403 3MP Panoromic Fisheye IP Camera
Image sensor	1/3" 4-megapixel CMOS sensor
Lens	F2.0, 1.05mm
Angle of view	360°
Min illumination	0.3 lux @ F2.0 (color)
	0.03 lux @ F2.0 (B/W)
Day/Night function	Mechanical IR cut filter

Video

Video compression	Motion JPEG
	H.264 baseline/ main profile/ high profile
	H.265
Resolutions	Motion JPEG/ H.264/ H.265:
	3 resolutions including 2048 x 1520, 640 x 480 and 320 x 240
Frame rate	Motion JPEG/ H.264/ H.265: up to 30 fps at 2048 x 1520
Video streaming	Simultaneous Motion JPEG, H.264, H.265
	Controllable frame rate and bandwidth
	Support unicast
	(Real Time Streaming Protocol)
Image settings	Rotation: mirror, flip, mirror flip
	WDR
	Brightness, contrast, saturation, sharpness
	Overlay capabilities: time, date, text and privacy Image
	ROI
	Defog

Audio

Audio streaming	Two-way (full duplex)
Audio compression	G.711 μ law, a law, AMR
	Built-in microphone, line input and line output

Network

Security	Multiple user access levels with password protection, HTTPS encryption
	Bonjour, TCP/ IP, DHCP, DNS, DynDNS, PPPoE, ARP, ICMP, FTP, SMTP, NTP, UPnP, RTSP, RTP, RTCP, HTTP, HTTPS, SSL, TCP, UDP
Users	10 simultaneous users

Alarm and Event Support

Alarm and event management	Input: alarm buffer, alarm input, motion detection
	Output: network storage, FTP, SMTP, HTTP event, alarm
	Pre- and post alarm buffer

System

Connectors	RJ-45 Ethernet 10/ 100 Base-T (PoE)
	Reset button
	2pin terminal block for DC power
	6pin cable for 1 alarm input, 1 output,
	1 audio line in 1 audio line out
Local storage	MicroSD Card slot
	Power status indicator
	Network link indicator
Software integration	ONVIF 2 4 & Profile S
Video management software	Camera Installation Tool & Video Management Software for viewing recording and archiving up to 32 cameras

General

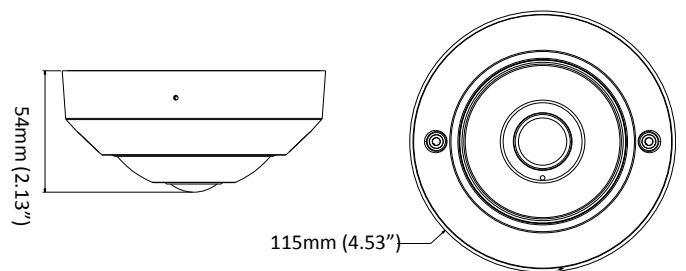|	
Casing	Aluminum casing
Power	DC 12V or PoE IEEE 802.3af class 1
	Power consumption: Max 4.65W
Operating conditions	-10 ~ 50 ℃ (14 ~ 122 ℉)
Installation, management, and maintenance	camera management tool on website and web-based configuration. Configuration of backup and restore firmware upgrades over HTTP.
Minimum web browsing requirement	Pentium 4 2.8GHz (or equivalent AMD)
	256MB RAM graphic cards
	2GB RAM
	Windows 7 or later
	Window XP, Vista, or Windows 7
	Mac OS Leopard 10.5 or later
Dimensions	φ115 x 54mm (φ4.53" x 2.13")
Weight	240g (0.53lb)
Included accessories	Quick installation guide, mounting and connector kits
	Dowload on website (Camera Installation Tool, Video Management Tool, User Manuals, Camera LanguagePacks)
Certification	CE, FCC

Integration

software	For viewing, recording and archiving up to 32 ch cameras

Part Names and Functions

Ethernet Socket — DC 12V/ 1A — MicroSD/ SDHC — Network LED Indicator — Power LED Indicator — Reset — External I/O connector — Routing Hole — Open the Shell Alert — Internal Microphone

Dimensions

54mm (2.13")

115mm (4.53")