

2 MP HDCVI PTZ Camera

30x Starlight IR WDR



- 1/2.8-in. 2 MP STARVIS[™] Progressive-scan CMOS Sensor
- Powerful 30x Optical Zoom
- Supports Multiple Video Formats: HDCVI, CVBS, AHD and TVI
- Starlight Technology for Ultra-low Light Sensitivity
- 1080p at 30 fps or 720p at 30/60 fps, Maximum Resolution
- True Wide Dynamic Range (120 dB), 3D DNR
- Maximum IR Distance up to 150 m (492 ft)
- IP66 Ingress Protection
- Designed for Extreme Temperature Environments
- Five-year Warranty*



System Overview

The 2 MP Starlight IR PTZ Dome camera features a 1/2.8-in. STARVIS[™] CMOS imager with a 30x optical zoom lens, and provides an all in one solution for capturing long-distance video surveillance for outdoor applications, day or night. The camera offers a built-in heater and IP66 Ingress Protection to extend its use to the harshest environments. The PTZ camera is equipped with quick and accurate pan/tilt/zoom control and True WDR for applications with direct sunlight or glare.

Functions

Starlight Technology

For challenging low-light applications, Dahua's Starlight Ultra-low Light Technology offers light sensitivity that captures details in low light down to 0.005 lux. The camera uses a set of optical features to balance light throughout the scene, resulting in clear images in dark environments.

Multi-Format Output Support

The camera supports multiple video formats including, HDCVI, CVBS, AHD, and TVI. The camera can switch between these four formats via the OSD menu or via dip switch settings, located inside the camera housing, making the camera compatible with not only HDCVI DVRs but also most existing HD/SD DVRs.

Simplicity

HDCVI technology seamlessly integrates traditional analog surveillance systems with upgraded, high-quality HD video, making it the best choice to protect security investments. The plug and play approach enables full HD video surveillance without the hassles of configuring a network.

Dual Video Output Signals

The camera offers one (1) BNC video output connection to transmit either an HDCVI or a CVBS signal. These output signals allow the camera to integrate with various devices, including analog matrix systems and monitors.

True Wide Dynamic Range

The camera achieves vivid images, even in the most intense contrast lighting conditions, using industry-leading wide dynamic range (WDR) technology. For applications with both bright and low lighting conditions that change quickly, True WDR (120 dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.

Defog

Utilizing Dahua's advanced algorithm technology, the Defog feature dynamically adjusts the camera's contrast settings to provide improved image quality in scenes affected by fog, smog, mist, smoke or other low-contrast interference.

Environmental

With a built-in heater and a temperature range of -40 °C to +60 °C (-40 °F to +140 °F), the camera is designed for extreme temperature environments. Subjected to rigorous dust and water immersion tests and certified to the IP66 Ingress Protection rating makes it suitable for demanding outdoor applications.

Protection

This camera suits even the harsh conditions for outdoor applications. Its 6KV lightning rating provides protection against the camera and its structure from the effects of lightning.

Pro Series | 6C230IC

Technical Specification

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Power up Action

Idle Motion

Protocol

Camera					
Image Sensor		1/2.8 in. STARVIS™ CMOS			
Effective Pixels		1920(H) x 1080(V), 2 MP			
Scanning System		Progressive			
Electronic Shutter S	peed	1/3 s t	o 1/300,000 s		
Minimum Illumination		Color: 0.005 lux at F1.6 0 lux at F1.6 with IR on			
S/N Ratio		More than 55dB			
IR Distance		Distance up to 150 m (492.13 ft)			
IR On/Off Control		Auto/Manual			
IR LEDs		Six (6)			
Lens					
Focal Length		4.5 mm to 135 mm			
Max. Aperture		F1.6 to F5.0			
Angle of View		Horizontal: 2.4° to 67.8°			
Optical Zoom		30x			
Focus Control		Auto, Manual			
Close Focus Distance		100 mm to 1000 mm (3.94 in. to 39.37 in.)			
DORI Distance ¹					
Detect (8 ppf)	Observe (19 pp		Recognize (38 ppf)	Identify (76 ppf)	
1862 m (6109 ft)	744 m (244	1 ft)	372 m (1220 ft)	186 m (610 ft)	
PTZ					
Pan/Tilt Range Tilt: -		Tilt: –1	Pan: 0° to 360° endless; Tilt: –15° to 90° Auto flip 180°		
Manual Control Spe	ial (ontrol Speed		.1° to 160° /s; 1° to 120° /s		
Preset Speed	Preset Speed Pan: 2 Tilt: 20		,		
Presets	Presets		300		
PTZ Mode		5 Pattern, 8 Tour, Auto Pan, Auto Scan			
Speed Setup		Human-oriented Focal Length / Speed Adaptation			

Resolution	1080p (1920 × 1080) 720p (1280 × 720)				
Frame Rate	1080p at 30 fps or 720p at 30/60 fps				
Video Output	One (1) Channel, BNC High-definition Video Output (HDCVI, AHD, TVI) or CVBS Standard Definition Video Output (switchable)				
	RG-59/U Coax	720p: 500 m (1640.42 ft) 1080p: 400 m (1312.34 ft)			
Transmission Distance ²	RG-6/U Coax	720p: 800 m (2624.67 ft) 1080p: 600 m (1968.50 ft)			
	CAT 6 UTP (balun required)	720p: 380 m (1246.72 ft) 1080p: 380 m (1246.72 ft)			
Day/Night	Auto (ICR), Color, B/W				
OSD Menu	English, French, German, Italian, Japanese, Polish, Portuguese, Russian, Spanish				
Backlight Compensation	BLC, HLC, WDR (120 dB)				
White Balance	Auto, ATW, Indoor, Outdoor, Manual				
Gain Control	Auto, Manual	Auto, Manual			
Noise Reduction	Ultra DNR (2D/3D)	Ultra DNR (2D/3D)			
Advanced Features	Defog				
Digital Zoom	16x				
Flip	180°				
Privacy Masking	Up to 24 areas				
Certifications					
CE	EN55032 EN55024 EN50130-4				
Safety	UL60950-1+CAN/CSA C22.2,No.60950-1				
Electromagnetic Compatibility (EMC)	FCC Part 15 subpart B ANSI C63.4- 2014				
Interface					
Video	Output: One (1) BNC				
Audio	Input: One (1) Channel				
RS485	One (1) Port				
Alarm	Input: Two (2) Channels Output: One (1) Channel				
		lamen			
Electrical					
Electrical Power Supply	24 VAC, 3 A (±10%				
	24 VAC, 3 A (±10% 13 W, 23 W with II)			
Power Supply)			
Power Supply Power Consumption) R on			
Power Supply Power Consumption Environmental	13 W, 23 W with Ⅱ -40 °C to 60 °C (-4) R on			
Power Supply Power Consumption Environmental Operating Conditions	13 W, 23 W with II -40 °C to 60 °C (-4 Less than 90% RH) R on			
Power Supply Power Consumption Environmental Operating Conditions Ingress Protection	13 W, 23 W with II -40 °C to 60 °C (-4 Less than 90% RH) R on			
Power Supply Power Consumption Environmental Operating Conditions Ingress Protection Construction Casing Dimensions	13 W, 23 W with II -40 °C to 60 °C (-4 Less than 90% RH IP66 Metal Ø204.70 mm x 355) R on			
Power Supply Power Consumption Environmental Operating Conditions Ingress Protection Construction Casing	13 W, 23 W with II -40 °C to 60 °C (-4 Less than 90% RH IP66 Metal) R on 40 °F to +140 °F),			

 The DORI distance is a measure of the general proximity for a specific classification to help pinpoint the right camera for your needs. The DORI distance is calculated based on sensor specifications and lab test results according to EN 62676-4, the standard that defines the criteria for the Detect, Observe, Recognize and Identify classifications.

power failure

Auto restore to previous PTZ and lens status after

Activate Preset, Scan, Tour, Pattern if there is no

command in the specified period

DH-SD, Pelco-P/D (Auto recognition)

2. Transmission distance results verified by real-scene testing in Dahua's test laboratory. Actual transmission distances may vary due to external influences, cable quality, and wiring structures.

Video

Pro Series | 6C230IC

Ordering Information				
Туре	Part Number	Description		
2 MP PTZ Camera	6C230IC	2 MP 30x Starlight IR PTZ HDCVI Camera, Built-in Heater, True WDR		
Accessories, included	64FB	Wall Mount		
	AC24V/3A	Power Supply		
Accessories, optional	PFA114	Mount Adapter		
	PFA120	Junction Box		
	PFA140	Power Supply Box		
	PFA150	Pole Mount		
	PFA151	Corner Mount		
	PFB300C	Ceiling Mount		
	PFB303S	Parapet mount		
	PFB303W	Wall Mount		

Accessories

Included:



64FB Wall Mount **Optional :**



PFA114 Mount Adapter



PFB300C Ceiling Mount



PFA151 Corner Mount



AC24V/3A Power Supply



PFB303W Wall Mount



PFA120 Junction Box

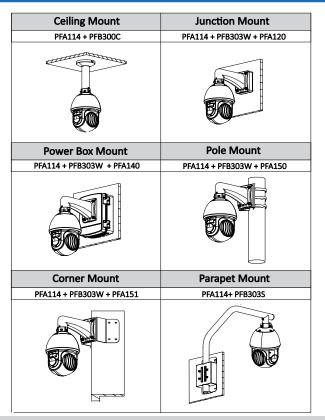


PFB303S Parapet Mount





PFA150 Pole Mount



Dimensions

