

PrimeSHOT 20 HDMI

PTZ Camera

ORDERING INFORMATION

999-30420-000/000W (North America; Black or White)

999-30420-001/001W (Europe/UK; Black or White)

999-30420-009/009W (Australia/New Zealand; Black or White)



OVERVIEW

Vaddio's PrimeSHOT 20 HDMI HD PTZ camera offers high definition performance at an outstanding value. With flexible output options like HDMI and S-video, the PrimeSHOT can replace existing standard definition pan tilt zoom cameras or be used as an initial system upgrade. PrimeSHOT 20 HDMI features 20x optical zoom, plus an easy, intuitive web-based user interface for remote configuration, management and control.

Confidently deploy the PrimeSHOT across the entire enterprise with Vaddio's standard IP management and streaming capabilities. Ideal for large meeting rooms, lecture halls and houses of worship, PrimeSHOT 20 HDMI provides outstanding low-light performance, and best in class 1080p image quality.



CONNECTOR PANEL

From left to right:

- **Power connector** – Connect the 12 VDC, 3 A power supply shipped with the camera.
- **Video resolution rotary switch** – Select the video output resolution.
- **Ethernet connector** – Connect to the network.
- **RS-232 connector** – Optional. Connect to a camera controller to manage the camera.
- **S-Video connector** – S-Video output.
- **HDMI connector** – HDMI 1.3 video output.

WHAT'S INCLUDED

- PrimeSHOT 20 HDMI camera
- Thin Profile Wall Mount with mounting hardware
- Vaddio IR Remote Commander
- 12 VDC, 3 Amp switching power supply with AC cord set(s)
- Quick-Start Guide

KEY FEATURES

- PTZ camera for medium to large venues such as houses of worship and lecture halls
- 2.12 Megapixel (effective), native 1080p/60 full HD image sensor
- 20x optical zoom, 55° horizontal field of view (wide end)
- Simultaneous HDMI 1.3, S-Video, and IP streaming outputs
- Precise pan and tilt movements at up to 90° per second with smooth, silent direct-drive motors
- Presenter-friendly IR remote control
- Integration-ready Telnet or serial RS-232 control
- Full administrative control via web interface; manage the camera remotely while monitoring the stream separately

TECHNICAL SPECIFICATIONS

Camera & Image	Image device	1/3" Panasonic CMOS Sensor
	Pixels	2.38M Total (2.12M Active)
	HFOV (Wide)	55.4 degrees
	HFOV (Tele)	2.9 degrees
	Tilt Adjustment	+90/-30 degrees
	Pan Adjustment	+/- 170 degrees
	Zoom Adjustment	20x Optical
	Min. working distance	50 cm (wide) 1.5m (tele)
	Min. Illumination	0.5Lux
	Focal Length	f = 4.7mm ~ 94mm
	Aperture ratio	F1.6 (wide) ~ F3.5 (tele)
	Sync System	Internal
	Outputs / Connectors	(1) HDMI 1.3
		(1) S-Video Y/C - 4Pin DIN
		(1) 10/100 Ethernet RJ45
		(1) RS232 RJ-45 with Tx & Rx
		(1) 12VDC Power Barrel connector
	Video Resolutions - IP (H.264) RTSP with A2E encode	1080p @ 30, 25, 15 fps
		720p @ 60, 30, 25, 15 fps
		4CIF @ 60, 30, 25, 15 fps
480p @ 60, 30, 25, 15 fps		
640x480 @ 60, 30, 25, 15 fps		
360p @ 60, 30, 25, 15 fps		
CIF @ 60, 30, 25, 15 fps		
Video Resolution - S-Video	480i (NTSC)	
	576i (PAL)	
Video Resolution - HDMI 1.3	1080p 60 (50)/59.94	
	1080i 60 (50)/59.94	
	720p 60 (50)/59.94	

Image Control	Wide Dynamic Range/ High Light Compensation	On or Off
	Back Light Compensation	On or Off
	Image Flip	On or Off
	Presets	16 Presets
	Gain	Auto or Manual
	White balance	Auto or Manual
	Focusing system	Auto or Manual
	Iris	0 - 12 steps (close to F1.0)
	Sharpness	0-10 steps
	Noise Reduction	Auto 2D+3D
	Remote management	Web Interface, Telnet
	Signal/Noise Ratio	>50dB (AGC off)
	Power	12V 3A
	IR Remote	3 Settings
	Communication Baud Rate	9600 & 38400
Communication Protocol	VISCA	
Physical & Environmental	Weight	3.4 lbs (1.54 kg)
	Height	7.25" (184 mm)
	Width	7.1" (180 mm)
	Depth	6.5" (165 mm)
	Operating temperature	0C to +40C
	Operating humidity (relative)	Humidity: 20-80% RH non-condensing
	Storage temperature	-20C to +60C
	Storage humidity (relative)	Humidity: 10-95%RH non-condensing
	Regulatory	
	Emmissions	FCC Part 15
		ICES-003, Issue 6 (Canada)
		EN55032, 2015 (EU)
		KN22 2008 (CISPR 22)
	Immunity	EN55024, 2010 (EU)
		KN24 2008 (CISPR 24)
Safety	IEC 60950: 2013	

Specifications are subject to change without notice.

BASIC CONNECTION

Simple illustration of how the camera might be set up for live production.



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