

# 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	<b>Image device</b>	1/3" Panasonic CMOS Sensor
	<b>Pixels</b>	2.38M Total (2.12M Active)
	<b>HFOV (Wide)</b>	55.4 degrees
	<b>HFOV (Tele)</b>	2.9 degrees
	<b>Tilt Adjustment</b>	+90/-30 degrees
	<b>Pan Adjustment</b>	+/- 170 degrees
	<b>Zoom Adjustment</b>	20x Optical
	<b>Min. working distance</b>	50 cm (wide) 1.5m (tele)
	<b>Min. Illumination</b>	0.5Lux
	<b>Focal Length</b>	f = 4.7mm ~ 94mm
	<b>Aperture ratio</b>	F1.6 (wide) ~ F3.5 (tele)
	<b>Sync System</b>	Internal
	<b>Outputs / Connectors</b>	(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
	<b>Video Resolutions - IP (H.264) RTSP with A2E encode</b>	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
	<b>Video Resolution - S-Video</b>	480i (NTSC) 576i (PAL)
	<b>Video Resolution - HDMI 1.3</b>	1080p 60 (50)/59.94 1080i 60 (50)/59.94 720p 60 (50)/59.94

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



**vaddio**

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