

# RoboFLIP 4K HDBT

## IN-CEILING ROTATING PTZ CAMERA

### ORDERING INFORMATION

#### RoboFLIP 4K HDBT Camera

999-99800-000 (North America)

999-99800-001 (Europe/UK)

999-99800-009 (Australia/New Zealand)

#### RoboFLIP 4K HDBT OneLINK HDMI System

999-99800-100 (North America)

999-99800-101 (Europe/UK)

999-99800-109 (Australia/New Zealand)

#### RoboFLIP 4K HDBT OneLINK Bridge System

999-99800-200 (North America)

999-99800-201 (Europe/UK)

999-99800-209 (Australia/New Zealand)



### OVERVIEW

The RoboFLIP 4K HDBT camera fully rotates into its enclosure when in standby mode, allowing room occupants full assurance that video feeds are not active. With its unique “flipping” design and Vaddio’s industry-leading Tri-Synchronous Motion technology, the camera silently rotates, providing ultra-smooth, simultaneous pan, tilt and zoom functions for natural camera motion.

The RoboFLIP 4K HDBT is the ultimate professional PTZ camera solution for both security and design-conscious customers, yet maintains Vaddio’s high standards for performance, network manageability and ease of use.

Equipped with 30x optical zoom, the RoboFLIP 4K HDBT camera captures stunning high-definition video from greater distances. Place the RoboFLIP 4K HDBT in a corporate board room, law office, courtroom, medical institution, or any application where it’s critical to clearly know the camera’s active status or maintain clean lines.

The recessed design of the RoboFLIP 4K HDBT allows staff to easily clean and sanitize rooms when necessary without the risk of damaging fragile camera components.

The camera’s HDBaseT connection allows for flexible installation options—power with a PoE++ network switch or mid-span power injector for an IP streaming configuration, or connect to an HDBaseT video switch or OneLINK extension

system for a variety of video outputs. Compare OneLINK systems to choose from output options such as HD-SDI, HDMI, USB 3.0 and IP streaming.

Control the camera through the included IR remote, web interface via the Vaddio Device Controller touch panel, Telnet, or RS-232. Administrators can use the web interface to set up and store up to 16 camera presets and three custom color/white balance settings, adjust focus, configure streaming settings, and more. With built-in network connection via the HDBT port, the camera system is compatible with remote management tools like the free Vaddio Deployment Tool application.

Building on Vaddio’s successful architectural camera line, the RoboFLIP 4K HDBT camera is simple and straightforward to install. The camera has only one connection point, an HDBaseT port, that provides PoE++ power, video, control, and network connection to the camera. Clean lines and minimalistic design provide another great architectural videoconferencing solution for interior designers.

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### KEY FEATURES

- 8.51 Megapixel (8.57 Total MP), full HD (native 1080p/60) image sensor
- 30x zoom, horizontal field of view of 70.2°
- Smooth, silent BLDC direct-drive motors for precise pan and tilt movements at up to 120° per second
- HDBaseT output up to 1080p/60 with simultaneous IP (H.264) streaming at resolutions up to 1080p/30
- Pairs with Vaddio OneLINK receivers
- Presenter-friendly IR remote control
- Control through Telnet, serial RS-232 or the Vaddio Device Controller
- Full administrative control via web interface; manage remotely while monitoring the stream separately.



The RoboFLIP 4K HDBT features one HDBaseT connection.

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### TECHNICAL SPECIFICATIONS

<b>Outputs/Protocols</b>	HDBaseT, IP (H.264)
<b>Aspect Ratio</b>	IP (H.264) Streaming: 16:9, 3:2 and 4:3
<b>IP Streaming Resolutions /FrameRates</b>	Simultaneous IP (RTSP or RTMP format with H.264 compression) up to 1080p/30
<b>Image Device</b>	1/2.5-Type Exmor R CMOS sensor
<b>Pixels</b>	8.51 million; (8.57M Total Megapixels)
<b>Lens and Horizontal FOV</b>	30x zoom, 20x optical zoom + 10x IntelliZoom, f=4.4mm wide end to 88.4mm tele end, F2 to F3.8
<b>Pan Angle and Speed</b>	±160°, 0.35°/sec to 120°/sec
<b>Tilt Angle and Speed</b>	+90, -30°, 0.35°/sec to 120°/sec
<b>Min. Working Distance</b>	80mm (wide), 800mm (tele)
<b>Min. Illumination</b>	1.6 lux; 100+ lux recommended
<b>Backlight Compensation</b>	On/off
<b>Aperture/detail</b>	16 steps
<b>Focusing system</b>	Auto Focus / Manual Focus Mode / One-push Trigger Mode
<b>Gain</b>	Auto / Manual (0 to 33 dB)
<b>White balance</b>	Auto, ATW, Indoor, Outdoor, One-push, Manual
<b>S/N ratio</b>	More than 50 dB
<b>Power</b>	PoE++
<b>Remote management</b>	IR Remote, web interface via Vaddio Device Controller, Telnet, RS-232 command APIs
<b>Enhanced Wide Dynamic Range</b>	Yes
<b>Spotlight Compensation Mode</b>	Yes
<b>Noise Reduction</b>	Yes
<b>Presets</b>	16 + Custom Home
<b>Invertible</b>	Yes
<b>Motors</b>	Silent BLDC Direct Drive Motors
<b>Warranty</b>	2 years plus option for purchasing additional 3 years
<b>Weight</b>	15 lbs (6.80 kg)
<b>Height</b>	9.25" (235 mm)
<b>Diameter</b>	16" (406 mm)
<b>Operating/Storage Temperature</b>	0°C to +40°C (32°F to 104°F)
<b>Operating/Storage Humidity (Relative)</b>	20% to 80% RH, non-condensing

Specifications are subject to change without notice.

### WHAT'S IN THE BOX:

- RoboFLIP 4K HDBT camera
- White trim ring including IR receiver and courtesy light button with 3 qty mounting screws
- Tile Support Brace
- Vaddio IR remote commander for camera
- Installation Guide

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C2G | Chief | Connectrac | Da-Lite | Luxul | Middle Atlantic | Vaddio | Wiremold

THE ART OF EASY

USA 866.977.3901 CANADA 877.345.4329 av.support@legrand.com

EMEA +31 495 580 840 av.emea.sales@legrand.com APAC +852 2145 4099 av.asia.sales@legrand.com

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