RoboSHOT 40 UHD
Broadcast-Quality PTZ Camera

Superior Broadcast Quality Images at an Exceptional Price

RoboSHOT® 40 UHD is an outstanding broadcast-quality PTZ camera with 40x zoom, genlock capabilities, silky-smooth motor movement and outstanding image quality – all at a surprisingly competitive price for the entry-level broadcast PTZ camera market.

Whether it's a television show, sporting event, government meeting or wedding ceremony, RoboSHOT 40 UHD promises truly brilliant 4K video footage for broadcasting, streaming and recording.
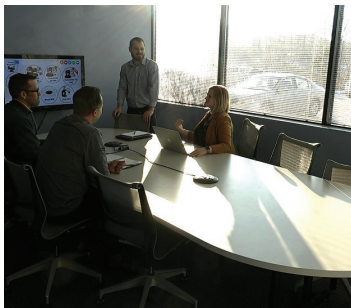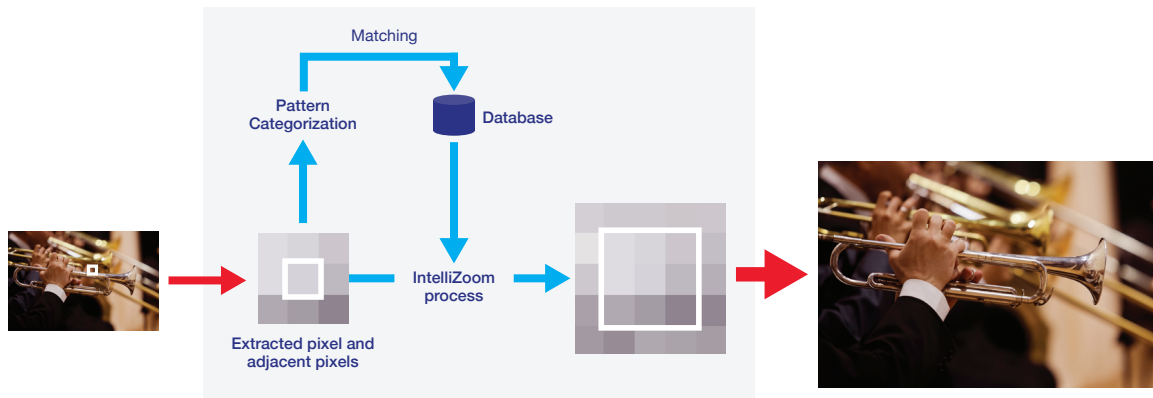
Advanced Features with 4K Image Quality
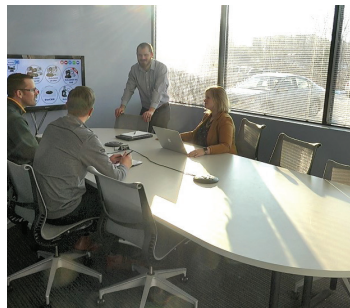
Genlock

Designed with a genlock external sync port, the RoboSHOT 40 UHD camera provides accurate synchronization in multi-camera broadcast environments. The camera also offers phase compensation to fine-tune and adjust the genlock signal.

IntelliZoom™ Image Processing

In addition to an incredible 30x zoom with 4K resolution at 30fps, you can achieve full high definition 40x zoom with 1080p/60fps performance with the latest advancements in intelligent zooming technology. Most digital zooms use electronic cropping to get closer to the subject, resulting in fuzzy images. The RoboSHOT 40 UHD camera's powerful processor compares patterns found in adjacent pixels and creates new pixels to match selected patterns, resulting in more realistic, higher-quality images.

Enhanced Wide Dynamic Range (WDR)

WDR OFF   WDR ON

With its back-illuminated CMOS image sensor, RoboSHOT 40 UHD offers more powerful image signal processing (ISP) – resulting in better light-gathering capabilities, incredible contrast and sharp 4K video, even in dim lighting conditions. Enhanced WDR helps correct for environments with uneven lighting by making darker or over-bright areas in video more visible and detailed. The RoboSHOT 40 UHD produces brilliant images in varied light settings like sanctuaries or outdoor live events. The WDR can be turned off and on via the web-based user interface or through serial commands.

Spotlight Compensation Mode

Expect exceptional performance in the presence of high intensity spotlights seen in performance halls, live event venues, and night-time outdoor sporting events.

Flexible Mounting Options

Like most other RoboSHOT cameras, RoboSHOT 40 UHD can be inverted, ceiling mounted or wall mounted for maximum flexibility.

Silky-smooth & Silent Pan Tilt Zoom Motion

Experience the world's smoothest pan, tilt and zoom operation with Vaddio's next generation silent motors paired with Tri-Synchronous motion algorithms. Even at full zoom, the RoboSHOT 40 UHD moves with no jitter or bouncing.

Remote Management

RoboSHOT 40 UHD offers an intuitive user interface for administrative control and remote operation via web interface.

Professional Results for Any Market

Concert Halls and Auditoriums

With a powerful 40x zoom and spotlight compensation mode, every part of your auditorium is within reach including ever-changing stage lighting.

House of Worship

Ideal for churches and worship areas, the 40x zoom expands your reach to the finest detail. And Enhanced WDR compensates for bright windows and darker corners.

Live Events

When it comes to live events, this camera excels – with incredibly fast, fluid and accurate pan-tilt-zoom motion. It's the perfect solution for live streaming outdoor sporting events, concerts, programs and other special events. Even with harsh spotlights, you can expect brilliant 4k images thanks to the camera's spotlight compensation feature, plus superb detail at extreme distances with the expanded zoom.

Broadcast TV

Perfect for corporate broadcast, local tv stations and campus news, RoboSHOT 40 UHD cameras' sophisticated CMOS image sensor delivers gorgeous 4K images. Its silent operation and ultra-smooth pan tilt zoom motion is ideal for on-air broadcasting.

Features

- Genlock signal for multi-camera synchronization

- Back-illuminated 8.51 Megapixel, ultra-high definition 1/2.5-type Exmor R CMOS sensor delivers native 2160p/30 (3840 x 2160) video

- 20x optical zoom with 30x lossless zoom at 3840 x 2160. Achieve 40x zoom at full HD resolution

- Horizontal field of view: 70.2° (wide) to 4.1° (tele)

- Simultaneous IP streaming (RTSP or RTMP format with H.264 compression) up to 1080p/30

- Can be powered remotely with PoE++

Back of Camera

Connections, left to right

- Power Connector: 12 VDC, 3.0 amp

- OneLINK Port: HDBaseT output port carrying power, video and control . Also functions as a standard Network port and can accept PoE++ if not using a OneLINK extender.

- HDMI Connector: HDMI video output to connect to a monitor display

- 3G-SDI

- Genlock sync port

- RS-232

- Camera resolution and frame rate settings

Ordering Information

Description	North America	Europe/UK	Australia/New Zealand
RoboSHOT 40 UHD PTZ Camera (Black)	999-9952-000	999-9952-001	999-9952-009
RoboSHOT 40 UHD PTZ Camera (White)	999-9952-000W	999-9952-001W	999-9952-009W

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