



Articulate

PIVOTCam offers high performance image capture with quiet and accurate PTZ functionality, at a fantastic value. Get on-the scene fast watching, following, and twisting to capture those pivotal moments.

With included wall and ceiling mounts, PIVOTCam permits you to creatively utilize space in your venue. This makes PIVOTCam the perfect companion for engaging assembly, auditorium, venue, and POV productions.

BE ON TARGET

- virtually anywhere.



 Perform fast and efficient Pan / Tilt / Zoom and Focus control with preset recalls. • Operates reliably and quietly making it ideal for a wide range of live production environments. • Versatile PTZ Camera, that can be mounted

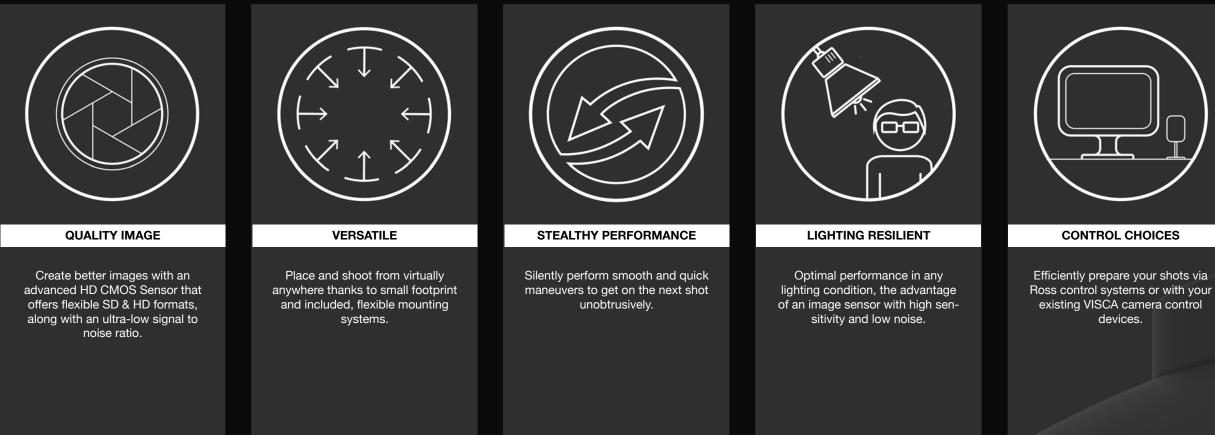
SEE CLEARLY

- Produce spectacular video images under a wide range of lighting conditions.
- Beautiful high definition 3G 1080P visuals with low noise and high sensitivity.
- High quality Olympus optics provide 20x optical zoom.
- Ultra-low noise with leading edge CMOS sensor technology.

CONNECT IN

- Camera control fully integrated with Ross production switchers
- Total Production control via DashBoard and the Lightning Control System, including 128 presets for store and recall of shots
- Simple integration with existing camera control systems via VISCA protocols

Key Benefits





NUMEROUS APPLICATIONS

Cover and capture the best quality results in a wide range of venues where distances and lighting can be challenging.



SIMPLE CONNECTIVITY

Easy connection to multiple cameras. Choices include, daisy chain RS232/RS485, ethernet connectivity via optional converter, or a combination of both.



EXCELLENT VALUE

The best performer at it's price point.



PAN ANGLE: + 170° **PAN SPEED:** 0.1° to 120° /s M

TILT ANGLE: -35° to + 80° **TILT SPEED:** 0.1° to 80°/s

CC BITILETE



PIVOTCam is tailored for on-the-fly productions and variable conditions; substantially reducing the burden on operators during the heat of production. It compensates for distances, quick movements, and everyday lighting. Simply focus on getting the shot that you want and let PIVOT do the rest. These capabilities are possible because of an Advanced HD CMOS Sensor and Olympus Zoom optics that offer the following features:

HIGH-QUALITY ZOOM OPTICS

Cover distance with 20x true optical zoom, with additional 12 x digital zoom for situations with additional space to cover.

OPERATIONAL FLEXIBILITY

Fine tune your shots or let PIVOT do it for you. Choose between auto or manual operation of focus, iris, and white balance.

ULTRA-LOW SIGNAL TO NOISE

Optimal performance in low-light conditions found outside a traditional studio environment. The Advanced HD CMOS Sensor confers ultra-low noise (74 dB) and high sensitivity. PIVOT is ideal for assemblies, auditoriums, theaters, board rooms, and any other everyday environment that has not been designed specifically for video productions.

PNotcamba

HIGH DEFINITION

Flexible formats including 720p, 1080i and 1080p.

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Numerous Control Options

SWITCHER JOYSTICK CONTROL

Users of Ross Video production switchers, including the world's most popular mid-sized switcher – Carbonite, the new Graphite All-In-One Production System and the flagship Acuity series; will enjoy manual on-the-fly control of PIVOTCams from the switcher joystick.

DASHBOARD SOFTWARE

Like all Ross products, PIVOTCam is integrated within the DashBoard Control System. Operate PIVOTCam through DashBoard software panels, which also offers recallable preset shot maneuvers. Create executable blueprints for your shows.

LIGHTNING CONTROL SYSTEM

Lightning Control System is a DashBoard-based application which completely streamlines assembly meeting productions. A simple touchscreen interface permits users to select which individual they want to put on air and overlay the program out with associated graphics. PIVOTCam's preset shots and tight integration with DashBoard make it the perfect fit with this system. PIVOT and LCS are the conclusive choice for assembly productions.

C.C.C.L.L.L

OVERDRIVE AUTOMATED PRODUCTION CONTROL (APC)

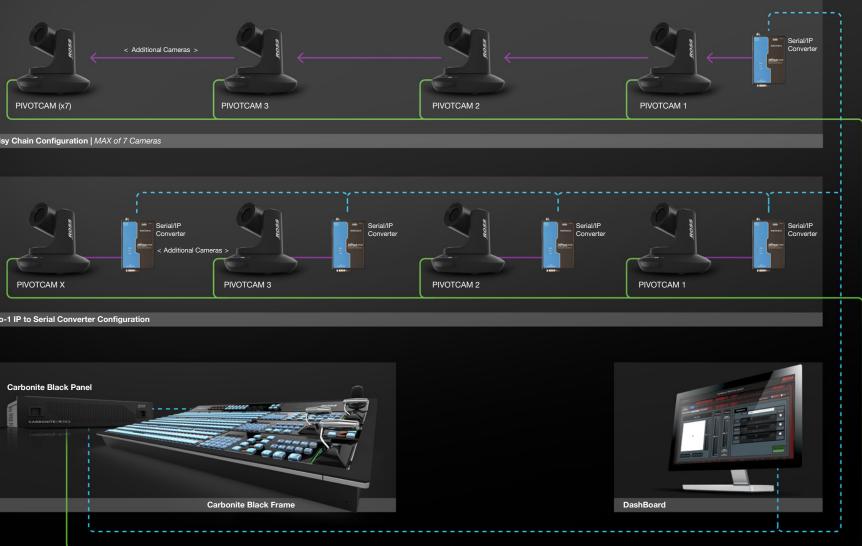
OverDrive is the most advanced APC system on the planet, enabling the most sophisticated productions to be executed cleanly and consistently. APC, once thought only for scripted productions, now excels at unscripted shows like sports, talk shows, and elections.

OverDrive controls the devices used in a production environment, and with PIVOTCam can intelligently recall shots and adjust camera positions before going to air.

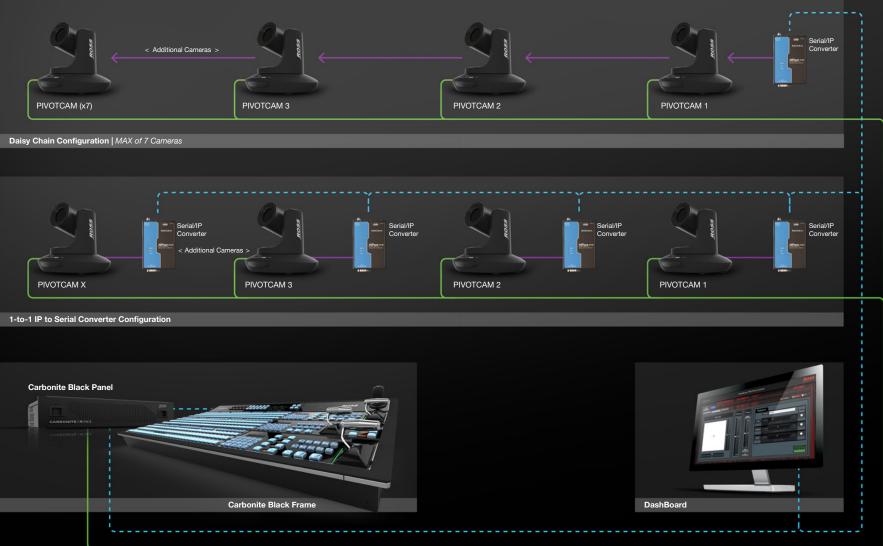


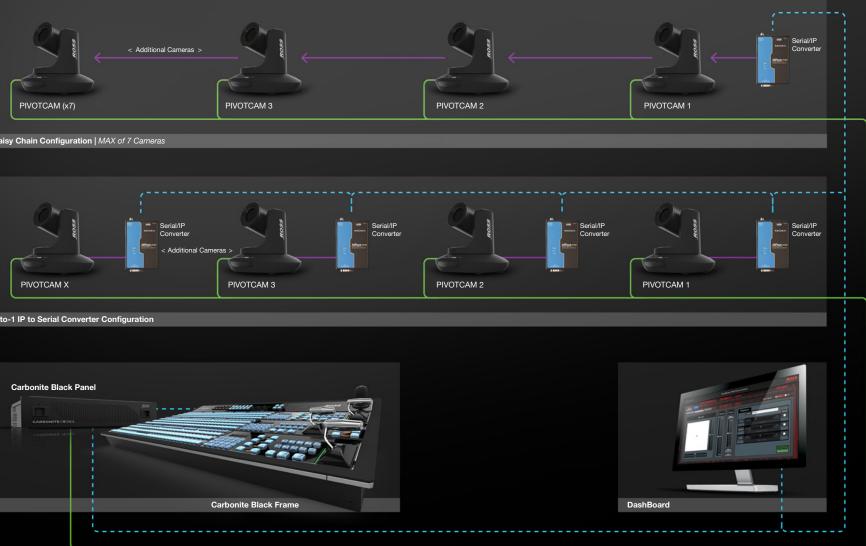












Adaptive and Simple Setup

 Standard VISCA protocols and serial control to plug into your existing production system and start shooting. Included wall and ceiling mounting brackets, place PIVOTCams virtually anywhere in your shooting location. • IP to serial converters provide full ethernet control, with serial links that can daisy-chain between seven cameras.

PIVOTCam Applications

LIVE EVENT PRODUCTIONS

Concerts | House of Worship Services | Theatre Performances | Political Rallies

These productions tend to involve large scale performances and large audiences, both of which are easy to cover by crafty use of PTZ cameras. Smart placement of PIVOTCams provides unique angles to create visually-stunning performances, and DashBoard permits fast and precise recalls for shots of the captivated audience. Producers of live events instantly notice the improvements in their productions by the creative incorporation of PIVOTCams.

BROADCAST POV

PIVOTCam provides shows with additional angles from those hard-to-reach areas that traditional broadcast cameras simply cannot access. The silent, small profile design of PIVOT makes it a great fit even for small studios and quiet spaces. The complete IP control through DashBoard and production switcher integration are huge assets in breaking news situations where staffing may be scarce.

ASSEMBLY PRODUCTIONS

Legislative Assemblies | Corporate Meetings | Educational Symposiums | Conferences

These productions generally involve substantial space, multiple angles, and numerous subjects to be captured at any given point. Multiple PIVOTCams set-up throughout the production space with ceiling or wall mounts provide maximum visibility. Use with Lightning Control System for best results!



PIVOTCam Specs

PIVOT CAMERA MODELS

PIVOTCam-20

Features	
Sensor	1/1.8 Advanced HD CMOS
Signal to Noise Ratio	75dB
Formats	1080p 59.94 / 50 1080p 29.97/25 1080i 59.94/50 720p 59.94/50 720p 29.97/25
Total Pixels	1952x1241, 2.42M
Active Pixels	1920x1080, 2.07M
Lens	20 x Optical Zoom 12 x Digital Zoom f=6.7-134.5mm, F1.5-F3.4
Minimum Illumination	0.2 Lux (Day) / 0.1 Lux (Night) / 0.005 Lux (DSS on)
Exposure	1/8 to 1/10000 (manual mode)
Video Output	DVI-I / 3G -SDI
Rotation Angle	Pan + 170° / Tilt - 35° to +80°
Rotation Speed	Pan 0.1° to 120°/s / Tilt 0.1° to 80°/s
Control and Operation	
Control and Operation Control Input / Output	VISCA RS-232C / RS-485 In: Mini Din 8-pin type VISCA RS-232C / RS-485 Out: Mini Din 8-pin type *VISCA RS-485: 2 wire only
	VISCA RS-232C / RS-485 Out: Mini Din 8-pin type
Control Input / Output	VISCA RS-232C / RS-485 Out: Mini Din 8-pin type *VISCA RS-485: 2 wire only
Control Input / Output Daisy Chain	VISCA RS-232C / RS-485 Out: Mini Din 8-pin type *VISCA RS-485: 2 wire only Up to 7 connections supported
Control Input / Output Daisy Chain Installation Method	VISCA RS-232C / RS-485 Out: Mini Din 8-pin type *VISCA RS-485: 2 wire only Up to 7 connections supported Desktop or Suspended
Control Input / Output Daisy Chain Installation Method Presets	VISCA RS-232C / RS-485 Out: Mini Din 8-pin type *VISCA RS-485: 2 wire only Up to 7 connections supported Desktop or Suspended 128 presents in camera / Infinite presets in DashBoard
Control Input / Output Daisy Chain Installation Method Presets Ross Control Methods	VISCA RS-232C / RS-485 Out: Mini Din 8-pin type *VISCA RS-485: 2 wire only Up to 7 connections supported Desktop or Suspended 128 presents in camera / Infinite presets in DashBoard
Control Input / Output Daisy Chain Installation Method Presets Ross Control Methods Build	VISCA RS-232C / RS-485 Out: Mini Din 8-pin type *VISCA RS-485: 2 wire only Up to 7 connections supported Desktop or Suspended 128 presents in camera / Infinite presets in DashBoard Ross Production Switchers, DashBoard, and LCS
Control Input / Output Daisy Chain Installation Method Presets Ross Control Methods Build Input Voltage	VISCA RS-232C / RS-485 Out: Mini Din 8-pin type *VISCA RS-485: 2 wire only Up to 7 connections supported Desktop or Suspended 128 presents in camera / Infinite presets in DashBoard Ross Production Switchers, DashBoard, and LCS 12V DC, 100-220V AC (50-60Hz)
Control Input / Output Daisy Chain Installation Method Presets Ross Control Methods Build Input Voltage Current Consumption	VISCA RS-232C / RS-485 Out: Mini Din 8-pin type *VISCA RS-485: 2 wire only Up to 7 connections supported Desktop or Suspended 128 presents in camera / Infinite presets in DashBoard Ross Production Switchers, DashBoard, and LCS 12V DC, 100-220V AC (50-60Hz) 2 A max (12 v DC)
Control Input / Output Daisy Chain Installation Method Presets Ross Control Methods Build Input Voltage Current Consumption Operating Temperature	VISCA RS-232C / RS-485 Out: Mini Din 8-pin type *VISCA RS-485: 2 wire only Up to 7 connections supported Desktop or Suspended 128 presents in camera / Infinite presets in DashBoard Ross Production Switchers, DashBoard, and LCS 12V DC, 100-220V AC (50-60Hz) 2 A max (12 v DC) -10oC to 60oC
Control Input / Output Daisy Chain Installation Method Presets Ross Control Methods Build Input Voltage Current Consumption Operating Temperature Storage Temperature	VISCA RS-232C / RS-485 Out: Mini Din 8-pin type *VISCA RS-485: 2 wire only Up to 7 connections supported Desktop or Suspended 128 presents in camera / Infinite presets in DashBoard Ross Production Switchers, DashBoard, and LCS 12V DC, 100-220V AC (50-60Hz) 2 A max (12 v DC) -10oC to 60oC -40oC to 60oC



CARBONITE BLACK PLUS **CARBONITE BLACK PLUS 12G** CARBONITE BLACK SOLO



ROBOTICS





Ross Video has a complete range of technical services available to ensure that your PIVOTCam installation is a success.

Operational Training can be provided at Ross Video, on-site or on the web. Experienced Ross operators will teach your staff to get the most out of your new system, and enhance your productions.

Commissioning is a service to help get your camera system properly configured, connected and installed. This service is performed by factory trained Ross technical staff.

Technical Training can be provided at Ross Video, on-site or over the web. Technical training will teach your engineering staff the technical details of the system you have purchased. System configuration, interfaces, databases, and routine maintenance procedures are some of the topics covered.

PIVOTCam comes standard with a 1 year comprehensive warranty. **Extended Warranties** on hardware and software maintenance are available for an annual fee.

Technical advice is available on-line, by telephone, or email to Ross Video - Included for the life of your system.



ROSS VIDEO LIVE PRODUCTION EXPERTS

SOLUTIONS

Broadcast & Production Augmented Reality & Virtual Sets Sport & Live Events Legislative Mobile Production House of Worship Education Corporate

PRODUCTS

Production Switchers Motion Graphics & Clip Servers Replay & Production Servers Robotic & Camera Systems Control Systems Routing Infrastructure Signal Processing Infrastructure News, Live & Social Production Management Media Asset Management

SERVICES

Creative Services Mobile Production

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