

Introducing the Video Collaboration Solution Team Kit PLUS

This easy to install web conference kit includes everything you need for high quality video conferencing and collaboration for small to medium sized teams.

MSRP: \$5,099 SKU: PT-TEAMPLUS-VCS



Conferencing



Collaboration



Integration



Installation Ready

WHAT'S INCLUDED

Included with every PTZOPTICS Team Kit PLUS is a 1080p 20X optical zoom USB conference camera, a Phoenix Audio CONDOR beamforming microphone and a 3rd generation i5 Intel NUC computer.

Quick Launch SE is a meeting room dashboard software allowing your team to customize the meeting room experience and lock down the Intel NUC.

**QUICK
LAUNCH**

PTZOptics 20X-USB



Phoenix Audio CONDOR



Intel NUC



152 Robbins Rd, Downingtown, PA USA
www.PTZOptics.com



PRODUCT DATA SHEET

Details

Computer	i5 processor, 256 GB SSD, 16GB
Operating System	Windows 8.1 or 10 Professional
Camera	20X Optical Zoom 1080p Camera
Microphone	Phoenix Audio CONDOR
Wall Mount	Included (camera, mic & computer)
Cabling	6' HDMI Cable
Additional	Microsoft Wireless Keyboard/Mouse

* LCD & LCD mount not included with system.

ONE SYSTEM FOR ANY SOFTWARE

An easy-to-use multi-platform, one-click/one-touch application to join meetings, start applications, access data, play media, showcase your organization's content and business intelligence assets. It's called Quick Launch and is included with every kit.

QUICKLAUNCH BENEFITS



Enhance Productivity

- ▶ Simplify the complicated collaboration experience with easy to use "one click" application launching.
- ▶ Customize your meeting workspace
- ▶ Consistent and easy user experience
- ▶ Use in open or locked down modes.



Open Platform

- ▶ Easy integration with the leading video conferencing software including: BlueJeans, Vidyo, Skype and GoToMeeting.
- ▶ Easily switch between the persistent toolbar and desktop view with customized and tiered buttons
- ▶ Always in the state you expect with your organization's look and feel.



Safe, Secure & Manageable

- ▶ For IT departments, it reduces training and support cost by providing a secure and manageable interface.
- ▶ Keep your confidential data secure with the 'Room Reset' feature
- ▶ Optional 'lock-down' mode to restrict usage of your Quicklaunch device and protect it against unwanted changes.

Fully Configured "Turn Key" micro PC

Model No: N5-16G-250SS-WL-7P

What's in the Box?

- Fully configured i5 NUC
- 19VDC Power Supply
- N. American Power Cord
- Windows 7 Pro Licence

Features

- i5 NUC
- Samsung 850 EVO SSD (250GB)
- Kingston 16GB DDR4-2133 SODIMM RAM
- AC-WiFi / Bluetooth 4.1
- Microsoft Windows 7 Pro Professional With Service Pack 1

CPU

1. 6th Generation Intel Core i5-6260U Processor
2. Mini DisplayPort* supporting DP 1.2 HDMI* port supporting HDMI 1.4b for dual display capability
3. Intel® Gigabit LAN
4. Dual Front Panel USB 3.0 ports
5. Dual back panel USB 3.0 ports
6. 19 V, 65 W DC power connector
7. Dual SO-DIMM sockets for memory expandability up to 32 GB
8. 3 yr. Warranty

Solid State Drive Specifications

Form factor	M.2
Interface	SATA Rev. 3.0 (6Gb/s)
Capacity	250GB
Controller	Samsung MGX
Sequential Reads	SATA Rev. 3.0 up to: 540 MB/s
Sequential Writes	SATA Rev. 3.0 up to: 500 MB/s
QD32 4k Read/Write	up to 97,000/89,000 IOPS
QD1 4k Read/Write	up to 10,000/40,000 IOPS
Life expectancy	1.5 million hours MTBF
Warranty/support	five-year limited warranty

Intel dual band Wireless-AC 8260

Board Form	PCIe Half Mini Soldered
Factor	Card/ M.2
Sup Op Systems	Win7, Win8, Win10, Linux
TX/RX Streams	2x2
Bands	2.4 GHz, 5 GHz
Max Speed	300/867 Mbps
Wi-Fi CERTIFIED*	802.11 ac/a/b/g/n
Warranty	Limited lifetime

DDR4-2133 SODIMM

Brand	Kingston
Form Factor	SODIMM
Capacity	16GB
Warranty	Limited Lifetime
Specs	DDR4 PC4-17000



Specifications

Processor

- Intel® Core™ i5 6260U Processor (1.9 GHz with turbo capability to achieve 2.8 GHz, Dual-Core processor with 4 MB smart cache)
- Supports Intel® HyperThreading Technology
- Supports Intel® 64 architecture3

Chipset

- Intel® Iris Graphics

Graphics

- Intel® HD Graphics 540
- One Mini DisplayPort and One HDMI port supporting dual independent display capability



See pg. 1 for description of features numbered above

Peripheral Connectivity

- Integrated Intel 10/100/1000 Network Connection (low power design)
- 4 Super-Speed USB 3.0 front panel ports (two back panel ports, two front panel ports)

System Bios

- 64 Mb Flash EEPROM with Intel® Platform Innovation Framework for EFI Plug and Play
- Advanced configuration and power interface V3.0b, SMBIOS2.5
- Intel® Express BIOS update support Fast Boot BIOS
- Optimized POST for almost instant-on access to PC from power on

Expansion Capabilities

- 1 NFC Header
- 1 AUX_PWR header
- 2 Internal USB 2.0 ports via 2 1x4 headers

Environment Operating Temperature

- 0° C to +50° C

Storage Temperature

- -20° C to +70° C

System Memory

- Dual-channel DDR4 with two connectors for 2133 MHz memory support (32 GB max)
- Memory Voltage 1.2 V

Hardware Management Features

- Processor fan speed control
- System chassis fan speed control
- Voltage and temperature sensing
- Fan sensor inputs used to monitor fan activity
- ACPI-compliant power management control (16 GB max)

Audio

- Intel® High Definition Audio5 (Intel® HD Audio) via HDMI 1.4b and DisplayPort 1.2 outputs supporting

Baseboard Power Requirements

- DC Power 19 V, 65 W

Jumpers and Front Panel Connectors

- Reset, HDD LED, Power LEDs, power on/off
- Dual Front-panel Super-Speed USB 3.0 connections
- Dual Super-Speed USB 3.0 connections via internal header



PTZOPTICS®

20X USB (GEN2)



Model Number:

PT20X-USB-GY-G2 (gray)

PT20X-USB-WH-G2 (white)

<http://ptzoptics.com/20x-usb/>

PTZOPTICS

Video Conferencing Camera

The PTZ Optics 20X-USB is a 1080p camera with 20X optical zoom for capturing HD video at long distances. With support for USB, HDMI and IP Streaming (H.264, H.265 & MJPEG) this camera is ideal for broadcasting high definition video signals for broadcast or video conferencing applications.

KEY FEATURES

- 60.7 degree wide-angle lens.
- High performance in low illumination situations and Wide Dynamic Range.
- Full 1920x1080p HD Resolutions up to 60 frames per second.
- 2D and 3D noise reduction with our latest “low noise CMOS sensor”.
- UVC 1.0, RS232, RS485 & IP Control
- RJ-45 H.264, H.265 & MJPEG Streaming port
- HDMI, USB 3.0, IP Streaming (All Simultaneous)

WHAT'S IN THE BOX

20X Zoom USB 3.0 Camera
Power Adapter + Cord
IR Remote Control
USB 3.0 Cable
RS-232C Cable
User Manual

Camera & Lens

Video CMOS Sensor	1/2.7" CMOS, 2.12 Mega Pixels
Frame Rate	1080i/60 & 50, 1080p/60 & 50, 1080p/30 & 25, 720p/60, 50, 30 & 25
Lens	20x, F4.42mm-88.5mm, F1.8-F2.8
Lens Zoom	20x
Field of View	60.7°
Min Lux	0.5 Lux at F1.8, AGC ON
Shutter Speed	1/30s - 1/10000s
SNR	≥55dB
Vertical Flip & Mirror	Supported
Horizontal Angle of View	3.36° (tele) to 60.7° (wide)
Vertical Angle of View	1.89° (tele) to 34.1° (wide)
Working Environment	Indoor

Pan & Tilt Movement

Pan Movement	±170°
Tilt Rotation	Up: 90°, Down: 30°
Presets	10 IR Presets (Up to 255 via RS-232 & UVC)

Rear Board Connectors

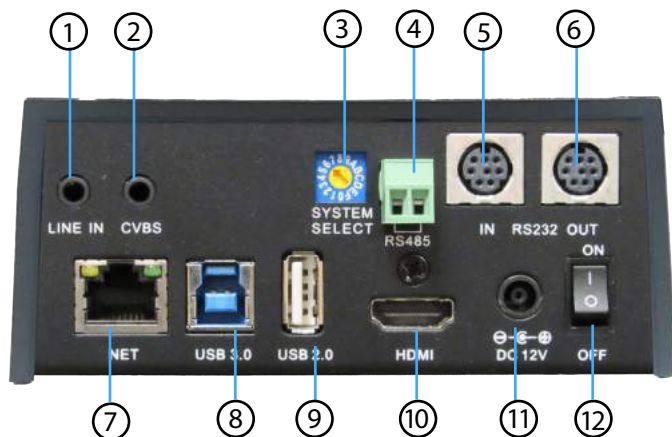
Video Output Interface	USB 3.0, HDMI, IP Streaming, CVBS
Network Interface	RJ45
Audio Interface	Line In, 3.5mm (IP Stream Only)
Communication Interface	RS-232, RS485
Baud Rate	2400/4800/9600 bits
Power Supply Interface	JEITA Type Power Adapter (DC IN 12V)
USB 3.0 Interface	USB 3.0 *(requires quad core processor)
USB 2.0 Interface	(future use)

Electrical Index

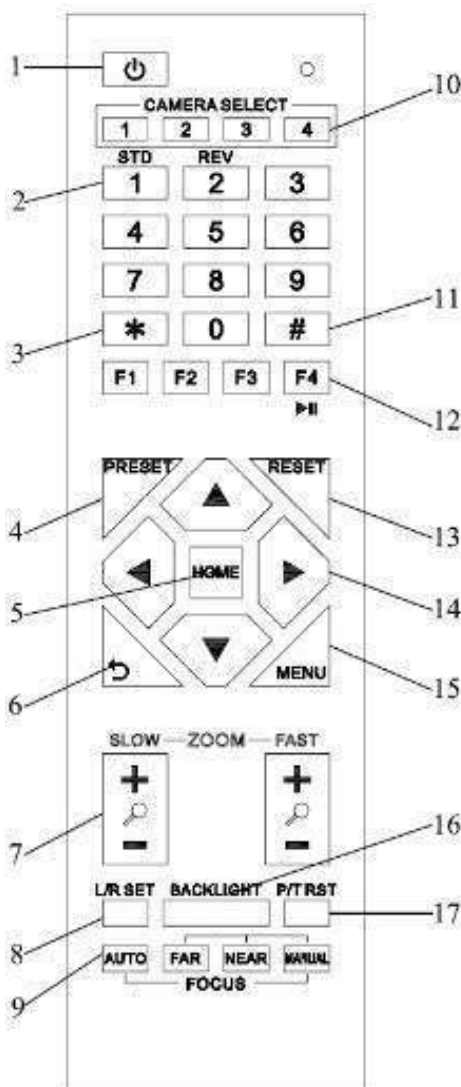
Power Supply	12W (Max)
Input Voltage	12V DC (10.8 - 13.0V DC)

Physical Specifications

Dimension (in.)	5.56W x 6.63H x 5.88D (7.25H w/ Tilt Up)
Dimensions millimeters	142W x 169H x 150D (185H w/ Tilt Up)
Box Dimensions	9"x9"x10" 228mmx254mmx228mm
Camera Weight	3.10 lbs. (1.41kg)
Boxed Weight	5.4 lbs. (2.45 kg)



- | | |
|----------------------------|----------------------|
| 1. Audio LINE IN Interface | 7. RJ45 IP Interface |
| 2. CVBS Interface | 8. USB 3.0 Interface |
| 3. SYSTEM SELECT Switch | 9. USB 2.0 Interface |
| 4. RS485 Jack | 10. HDMI Interface |
| 5. RS232 IN jack | 11. DC 12V Jack |
| 6. RS232 OUT Jack | 12. Power Switch |



1. Standby Button

Press this button to enter standby mode. Press it again to enter normal mode. NOTE: Power consumption in standby mode is approximately half of the normal mode.

2. Position Buttons

To set preset or call preset.

3. * Button

For multiple function.

4&13. Set/Clear Preset Buttons

Set preset: Store a preset position [PRESET] + Numeric button (0-9): Setting a corresponding numeric key preset position NOTE: Preset 0 - 9 via remote control and the rest from web, keyboard and the serial port. Clear preset: Erase a preset position [RESET] + Numeric button (0-9), or: [*] + [#] + [RESET]: Erase all presets

5&14. Pan/Tilt Control Buttons

Press the arrow buttons to perform panning and tilting. Press the [HOME] button to face the camera back to front.

6. Return Button

Press the button to back previous menu.

7. Zoom Buttons

Zoom+: Zoom In (Slow and fast speed)

Zoom-: Zoom Out (Slow and fast speed)

8. L/R Set Button

Set the left & right direction of remote control.

[L/R Set] + [1]: Normal direction.

[L/R Set] + [2]: Left and right direction will be reversed.

9. Focus Buttons

Used for focus adjustment. Press [AUTO] to adjust the focus on the center of the object automatically. To adjust the focus manually, press the [MANUAL] button, and adjust it with [Far] (focus on far object) and [Near] focus on near object).

10. Camera Address Select Buttons Press the button corresponding to the camera which you want to operate with the remote controller.

11. # Button

For multiple function

12. Multiple Function Buttons

Function 1. Set camera IR address: Press 3 keys contiguously can set camera IR address as follow:

[*] + [#] + [F1]: Address 1

[*] + [#] + [F2]: Address 2

[*] + [#] + [F3]: Address 3

[*] + [#] + [F4]: Address 4

Function 2. Image freezing function Press [F4] to start the freeze function. The word "Freeze" displays on the upper left corner. After five seconds, the display disappears automatically (though the freeze feature continues). To cancel the freeze, press the [F4] key the word "Unfreeze" displays on the upper left corner. After five seconds, the display disappears automatically.

15. Menu Setting

Menu button: Press this button to enter or exit the OSD menu.

16. Backlight Button

Backlight button: Press this button to enable the backlight compensation. Press it again to disable the backlight compensation. NOTE: Effective only in auto exposure mode. NOTE: If there is a light behind the subject, the subject will appear dark. In this case, press the backlight ON / OFF button. To cancel this function, press the backlight ON / OFF button.

16. 17. P/T RST Button

Press the button to self-calibrate pan and tilt once again.

Shortcut Set Function

[*] + [#] + [1]: Display OSD menu in English

[*] + [#] + [3]: Display OSD menu in Chinese

[*] + [#] + [4]: Show IP address

[*] + [#] + [6]: Quickly restore the default settings

[*] + [#] + [8]: Show the camera version

[*] + [#] + [9]: Quickly set mount mode (flip / normal)

HuddleCamHD Small Universal Wall Mount

Features

- Mounts directly to wall with supplied hardware
- Black powder coat finish provides long lasting durability
- Universally compatible with all center mount cameras
- Mounting hardware included
- 3 Year Warranty

Compatibility

- All small base HuddleCamHD Cameras
- All PTZOptics Cameras
- Most small based SONY, Panasonic, Cisco, Polycom and Vaddio cameras with a 1/4-20 mounting hole.



1. **Slot for 1/4-20 machine screw**
Secures camera to mount.
2. **Mount Base**
5 11/16" wide universal metal camera tray.
3. **Cable Access**
Convenient cable access under mount or through wall.

4. **Wall Mounting Holes**
Precut 4 post pattern fits U.S. doublegang box.



This Universal Thin Profile Wall Mount was designed specifically for an ideal way to wall mount a camera above or below a plasma or LCD monitor. Constructed from heavy gauge steel, this mount comes with a 3 year manufacture warranty.



Specifications

Size & Weight

Dimensions (in.):	5-11/16W x 8-5/16D x 5-1/16H
Dimensions (mm.)	145W x 212D x 129H
Weight (lbs.)	1.9
Weight (kg.)	0.84

What's in the Box

Camera Mount
Mounting Hardware: (4) Mounting Screws & Washers
(4) Drywall/Masonry Anchors
(1) Quarter Twenty bolt
(4) Device mounting screws for 2-Gang Box



Model Number: MT600

<http://ptzoptics.com/pt-teamplus-vcs/>

Condor Microphone Array

The Condor is a 48-inch wide multi-microphone array with a pickup range of up to thirty feet. It also features a built-in SIP phone, which can be controlled using a dedicated application that runs on your smart device.

KEY FEATURES

- Highly directional, 48-inch aperture, 15-microphone array
- Seven fixed-direction directional beams with Constant Beamwidth design
- Pickup range up to 30 feet with optimal recommended range of up to 25 feet
- Angular reception – 180 degrees
- Algorithms: DSP based noise canceling, echo canceling. AGC, De-reverb
- 100% full duplex
- Digital interface using USB telephony protocol
- Analog interface for use with Analog Codecs
- Built-in IP phone (SIP)
- Automatic bridging between the IP phone and USB communication

WHAT'S IN THE BOX

Condor Microphone Array
USB cable
5V power supply
2 wall mounting brackets
2 stands

Performance Parameters

Frequency Response	50Hz – 16KHz
Noise Suppression	>15dB – no pumping noise
Echo Canceling	>40dB with conversion rate >40dB/sec
Residual Echo	Suppressed to environment noise level preventing artificial ducking
Low latency	10msec
Power consumption	500mAmp (from USB or POE)
Supported Codecs	G.711 (A-law and Mu-law) G.729A (Annex B) G.722 G.723

Data Protocols

IPv4, TCP, UDP, ICMP, ARP, RTP, SRTP, Static IP/DHCP IP Assignment, IEEE 802.1p/Q, HTTP/HTTPS/DHCP, NTP, FTP/TFTP

Other

LED Status Indicators:
Red (Flashing) = Mic Mute
Blue = Mic Pickup Direction
2 Year Mfg. Warranty

Dimensions

2.5" diameter, 48" long. Weight: 3.35 lbs.

The Condor is housed in a metal tube; the outer shell is metal for sturdiness and durability

VoIP and Signaling

SIP – RFC 3261, SDP – RFC 2327 SIP over TCP/UDP, Redundancy, Digest Authentication, PRACK, Early Media

Software

Plug-and-Play - No installation or additional drivers required

Software based SIP Dialing

Audio Setup Utility is available for Windows.

Recording utility is available for Windows.

Recording utility allows you to record

Conversations to your computer via the device.

Operating systems: Windows 98 and up / Linux / Mac OS.

Connections

PoE and USB Power options

Analog Speaker in/out via Left & Right RCA Jacks

Microphone Output via RCA Jack (line level)

Digital Speaker In/Out via optical link (stereo)

RJ45 Ethernet Link - Network + SIP phone



Model Number:

Keyboard

<http://ptzoptics.com/pt-teamplus.vcs/>

All-in-One Media Keyboard

The All-in-One Media Keyboard has a full-size keyset and an integrated multi-touch trackpad – type, swipe, drag, zoom, and click with ease. It has customizable media hotkeys that put the web and your favorite music, photos, and movies at your fingertips. The keyboard also has a durable liquid resistant design.

KEY FEATURES

1. Integrated multi-touch trackpad
2. Customizable media hotkeys
3. Easy access volume controls
4. Durable spill and drop resistant design
5. Wireless connectivity (USB)
6. Advanced Encryption Standard (AES) 128-Bit Encryption
7. Also works with select TVs and gaming consoles

WHAT'S IN THE BOX

Wireless Keyboard
Wireless USB Receiver
2 AAA Batteries

Performance Parameters

104 key configuration (English North America)

Frequency Range: 2.1GHz

Power: 2 AAA alkaline batteries (included)

Battery Life: 9 months (typical)

Compliance: FCC Class B, ROHS, REACH

Encryption AES:

This keyboard features Advanced Encryption Standard (AES*) technology, which is designed to help protect your information by encrypting your keystrokes. Each keyboard is permanently paired with its receiver at the factory—no key information is ever shared over the air.

Warranty

1 Year Mfg. Warranty

Dimensions + Weight

Keyboard Length: 14.4" / 367mm

Keyboard Width: 5.20" / 132mm

Keyboard Height: 0.76 (19.4mm)

Keyboard Weight: 15.3 oz (434g)

Transceiver Length: 0.72 (18.3mm)

Transceiver Width: 0.51 (13.1mm)

Transceiver Height: 0.17 (4.4mm)

Transceiver Weight: 0.05 (1.5mm)

Compatibility

Operating systems: Windows / Linux / Mac OS

Select USB HID compliant Smart TVs and gaming consoles

Wireless Connection






Up to 33 ft. (10m) range











Broadcast Quality Made Affordable








Product Line

	PT12X-SDI-GY-G2		PT12X-SDI-WH-G2	1080p PTZ camera, 12X optical zoom, 3G-SDI, HDMI, IP Streaming
	PT12X-USB-GY-G2		PT12X-USB-WH-G2	1080p PTZ camera, 12X optical zoom, USB3.0, HDMI, IP Streaming
	PT20X-SDI-GY-G2		PT20X-SDI-WH-G2	1080p PTZ camera, 20X optical zoom, 3G-SDI, HDMI, IP Streaming
	PT20X-USB-GY-G2		PT20X-USB-WH-G2	1080p PTZ camera, 20X optical zoom, USB3.0, HDMI, IP Streaming
	PT20X-ZCAM-G2			1080p Box Camera, 20X optical zoom, 3G-SDI, IP Streaming
	PTVL-ZCAM-G2			1080p Box Camera, Variable Lenses (4X included), 3G-SDI, IP Streaming

Control Accessories

	PT-BRDCSTR-(L,E,P)	Remote PTZ Head for handheld-broadcast cameras (3 models)
	DB9M-F-xx	Extension Cable, DB9M-F, Plenum, 4 lengths shown in ft. (xx=25, 50, 75, 100)
	VISCA-xx	Daisy Chain Cable, miniDIN8-MM, 4 lengths shown in ft. (xx=25, 50, 75, 100)
	HDSDI-xx	3G SDI Cable, BNC-MM, Plenum, 4 lengths shown in ft. (xx=25, 50, 75, 100)
	HC-JOY	RS232, RS485, RS422, 3D Joystick and Keyboard, VISCA, Pelco-P, Pelco-D
	PT-JOY	IP control, 4D Joystick and Keyboard, Durable Metal Case

Mounting Accessories

	HCM-1-BK		HCM-1-WH	Small Wall Mount, mounts directly to wall or box with supplied hardware
	HCM-2-BK		HCM-2-WH	Large Wall Mount, mounts directly to wall or box with supplied hardware
	HCM-1C-WH			Small Open Ceiling Mount, mounts to 1"NPT pipe
	HCM-2C-WH			Large Open Base Ceiling Mount, mounts to 1"NPT pipe
	PT-CM-1-BK			Surface Ceiling Mount, mounts directly to ceiling or box w/ suppl. hardware