

# NETWORKTV

## NTV60UL 20X-USB3.0 PTZ Camera

The NetworkTV 60UL 20X-USB is a 1080p camera with 20X optical zoom and a 60.7° field of view for capturing both wide angles and for zooming into the subject showing fantastic detail. With support for simultaneously outputting USB, HDMI and IP Streaming (H.264), these cameras are ideal for broadcasting live high definition video signals or being utilised in video conferencing applications.

These cameras are suitable for small, medium or large room set-ups.

The cameras can be wall or ceiling mounted with both vertical and horizontal flip capability and come with a huge array of functionality to make sure that the video output is optimized for your specific requirements.



### Be seen in 1080p

Crystal clear High Definition 1080p video with lossless 20X optical zoom letting you get up close to see and interact with your team.



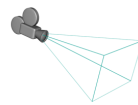
### Easy Set Up - Plug-and-Play USB Connectivity

With this camera you are getting the easiest solution possible. Just connect the camera to your PC to use with cloud based video conferencing services. This camera is backwards compatible with USB 2.0.



### Three Simultaneous Video Outputs

The NTV60UL 20X-USB can simultaneously send out 1080p video from HDMI, USB 3.0 and H.264 IP Streaming for maximum flexibility.



### Wide Field of View

The 20X NTV60 models offer a wide field of view with the ability to zoom into a narrow 6.9 degrees.



### Use your favorite software

Works with virtually all online video conferencing software with no need for additional drivers or proprietary connections.



### Camera Presets

Access camera presets with the IR remote control. Easily control your cameras pan tilt and zoom along with other fine tuning settings from your remote control.



### Network Control & IP Streaming

The NTV60UL camera offers a future proof solution with H.264 IP streaming and network control built in.



### RS-232/RS-485 Camera Control

Integrate the camera into a larger control system such as Crestron, Extron or AMX. Even convert RS-232 to USB and control from your computer.

## KEY FEATURES

- 60.7 degree wide-angle lens.
- High performance in low illumination situations.
- Full 1920 x 1080p HD Resolutions up to 60 frames per second.
- 2D and 3D noise reduction with our latest "low noise CMOS sensor".
- Wide Dynamic Range: capable of capturing all features of images when there is a strong contrast between subject and background.
- IP Streaming & Control (Control Software is Open Source)

## WHAT'S IN THE BOX

- 20X Zoom USB Camera
- Power Adapter
- IR Remote Control
- USB 3.0 Cable
- RS-232C to RS-485 Cable
- User Manual

## Camera & Lens

Frame Rate	1080p/60/30, 1080p/50/25, 720p/60, 720p/50, NTCS, PAL USB2.0: 1080p/10, 720p/25, 960x540p/30, 960x540p/25, 640x360p/60
Lens	20x, F4.42mm~88.5mm, F1.8~F2.8
Sensor	Panasonic 1/2.7" CMOS, Effective Pixels: 2.07M
Lens Zoom	20x Optical Zoom, 16x Digital Zoom
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	60.7° ~ 3.36°
Vertical Angle of View	34.1° ~ 1.89°

## Rear Board Connectors

Video Output Interface	USB 3.0 (or USB2.0), HDMI, IP Streaming, CVBS
Network Interface	RJ45 10M/100M
Video Compression	H.264/H.265/MJPEG
Video Bit Rate	128Kbps ~ 8192Kbps
Audio Interface	Line In/ Line Out, 3.5mm AAC compression
Protocols Supported	TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP etc
Communication Interface	RS232 In & Out (8 pin mini Din, RS485 (2 pin Phoenix) VISCA/Pelco-D & P
Baud Rate	2400/4800/96000 bits
Power Supply Interface	Power Adapter (DC IN 12V)
USB Interface	USB 3.0 *(requires quad core processor) Type B female jack
HD Output	1 x HDMI Version 1.3
SD Output	1 x CVBS: 3.5mm mini jack 1Vp-p, 75Ω

## Pan & Tilt Movement

Pan Movement	±170°
Tilt Rotation	-30° - +90°
Presets	255 Presets

## Physical Specifications

Dimensions	169mm x 142mm x 164mm (5.59" x 6.65" x 6.93")
Weight	1.35Kg, 3.0 lbs.

## Electrical Index

Power Consumption	12W (Max)
Input Voltage	12V DC (10.8—13.0V DC)
SKU Number	NTV-60UL-BK-G