

# PTZ-NDI3-X20B/W

Witness the power of NDI®|HX3, AIDA style

NDI®|HX is one of the most prominent, rising technologies seen in broadcast workflows all over the world. Through the recent months, advancement on the HX protocol has lead to Newtek's beloved protocol getting a serious upgrade..

**NDI®|HX3.** HX3 introduces a faster, visually lossless alternative that rivals even Full-Bandwidth NDI® without the hardware. That means less latency, better quality, and more savings on any workflow!

Taking our popular X20 solution, we tweaked our formula to deliver the best NDI®|HX3 experience one can have, with less latency, more visual quality, and most importantly a price point that won't break the bank. With the power to display FULL-HD video at 120 frames, trust us, this camera will change the NDI®|HX game for good.



KEY FEATURES:



APPLICATIONS:



STUDIO PRODUCTION



WORSHIP



VIDEO CONFERENCE



EDUCATION



FAST ACTION SPORTS

\*NDI® is a registered trademark of Newtek, Inc.

## MAIN FEATURES

- NDI®|HX3 streaming capable for even lower latency video streaming and PTZ control over NDI®|HX3 Protocol.
- Full HD Progressive Scan sensor captures sharp and vivid color under different light conditions.
- Advanced digital image processor provides vivid and detailed images with full access feature sets.
- Full-HD up to 120 frames (NDI®|HX, IP, HDMI only) and 60 frames (NDI®|HX3, 3G-SDI) simultaneously.
- Built for multiple use-case scenarios, including fast action sports and racing for slow-motion playbacks.
- Power Optical Zoom capability up to 18X.
- 3.5mm Line-in for no audio/video delay over IP/NDI protocols.
- Built-in OSD controls for customizable image settings.
- Comes in either a White or Black shell for further customization

## SPECIFICATIONS

### VIDEO

Image Sensor	1/3" Progressive CMOS
Effective Pixels	Horizontal: 1920, Vertical: 1080
Pixel Size	2.13 μm (H) x 2.13 μm (V)
Resolution	1080p & 1080i: 1920 x 1080
Resolution Rate	1080 120p/ 100p (HDMI, IP, NDI® HX only) 60p/59.94p/50p/30p/29.97p/25p 24p/23.98p 1080 60i/59.94i/50i 720 60p/59.94p/50p/30p/29.97p/25p
Output	HDMI, 3G-SDI NDI® HX3 / RTSP / RTMP / SRT
Color Space	4:2:2 (YCbCr) 10bit

### FUNCTION

White Balance	Auto, Manual, Auto Tracking, One Push, Indoor, Outdoor
Focus	Auto, Manual
Shutter Speed	1 to 1/10,000 Sec.

### LENS

Lens	20X HD Optical Zoom
Focal Length	4.9~98mm
F-Stop	F1.5 ~ F3.0
Viewing Angle	60° (wide) ~ 4° (tele)

### PTZ

Pan/Tilt Range	Pan: 340°, Tilt: +90 to -30°
Pan/Tilt Speed	Pan: 0° to +120°/s, Tilt: 0° to +80°/s
Presets	128 Positions (via web) 10 Positions (via remote)

### STANDARD

IP Protocol	UDP/IP, RTSP/RTMP, SRT, NDI® HX, NDI®HX3
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### AUDIO

Input	3.5mm TRS Stereo Audio Port
Sample Rate	16/24/32 Bits

### PHYSICAL

Camera Control	Protocol: VISCA, VISCA over IP, NDI Interface: RS-232C IN & OUT, RJ-45 Remote Controller
Operation Temp	32°F - 104°F
Dimension	196.85mm x 190mm x 176.5mm / 7.75" x 7.48" x 6.95"
Weight	1.4kg / 3.1lbs
Power	12VDC (+9 - +15VDC) PoE+ (IEEE802.3at Standard Required) 24watts min

\*Specification are subject to change without notice.

## PACKAGE CONTENTS



Remote Controller



Camera Mounting Bracket



Power Adapter & Cable

At AIDA Imaging, innovation is key to crafting our tried and tested quality imaging solutions. We strive to raise the bar by engineering and manufacturing cutting edge cameras and converters. From concept to reality, AIDA Imaging meticulously creates products that are applicable to various solutions, effective for the global user.