

# DRIVE+ N

## NDI® | HX LIVE STREAMING PTZ VIDEO CAMERA



NDI® | HX | 12x/20x | 1080p60 | POE+

### Broadcast Level, Enterprises Cost Live Streaming

Drive+ N series is integrated with latest NDI® | HX technology, equipped with an industry-level image processing solution, an advanced 2.4MP sensor, and 12x or 20x optical zoom lens, to deliver sharp and high-definition video.

With NDI® | HX, HDMI, 3G-SDI, and USB3.0 video output connectivity, it can be used in various applications to produce and stream video, for studio room, classroom, meeting room, church, etc.

With 12x and 20x optical zoom available, the Drive+ N can fit seamlessly into any production scenario.

### Application



### Key features

#### ◆ FHD resolution

Drive 12/20 features an industry-level image processor, 1/2.8-inch 2.4-megapixel sensor, and outputs full high-definition video resolution of 1920\*1080p60 to display clear, sharp, and lifelike images to users, even in low-light working environments.

#### ◆ 12x/20x optical zoom

It shoots with a 12x optical zoom lens with a wide angle 72.5-degree or 20x optical zoom lens with 60-degree field of view, and a proprietary focusing algorithm enable fast and precise focus performance when zooming or moving, to capture every detail of the scene.

#### ◆ NDI® | HX /3G-SDI/HDMI/USB3.0 Available.

In addition to NDI® | HX, 3G-SDI, HDMI and USB3.0 output image simultaneously as well. 3G-SDI and HDMI are for conventional video production workflow, and USB output can be used as a high-end webcam.

#### ◆ Program and Preview Tally

The indicator light can work as Tally when receiving tally notification from the NDI® devices, to show the live is on or off.

### Specification

Camera	Drive+ N 12x	Drive+ N 20x
Part Number	TLC-300-IP-12(NDI)	TLC-300-IP-20(NDI)
Sensor	1/2.8 inch, 2.4MP UHD CMOS Sensor	
Zoom	12x optical zoom	20x optical zoom
Lens	f = 3.92~47.32mm, F1.8 ~ F2.8	f = 4.9~98mm, F1.5 ~ F3.0
Horizontal View Angle	72.5°(Wide) ~ 6.3°(Tele)	60° (Wide) ~ 3.2° (Tele)
Vertical viewing angle	42.72°~3.66°	34.14° ~ 1.12°
Diagonal viewing angle	78.58°~7.42°	67.08° ~ 2.27°
Minimum Working Distance	1.0m	1.0m
S/N Ratio	≥50dB	

Video Format	HDMI: 1920*1080P60/50/30/25/59.94/29.97/24/23.98; 1920*1080I60/50/59.94; 1280*720P60/50/30/25/59.94/29.97
	NDI®   HX: 1920*1080@3~60; 1280*720@3~60; 1024*576@3~60, 640*360@3~60 (low bandwidth mode)
	3G-SDI: 1920*1080P60/50/30/25/59.94/29.97/24/23.98; 1920*1080I60/50/59.94; 1280*720P60/50/30/25/59.94/29.97
	USB3.0 1920*1080P60/50/30/25(USB3.0); 1280*720P60/50/30(USB3.0); 1280*720P25(USB3.0&USB2.0); 1024*576P30(USB3.0&USB2.0); 960*540P30(USB2.0); 640*360P30(USB2.0); 512*288P30(USB2.0)

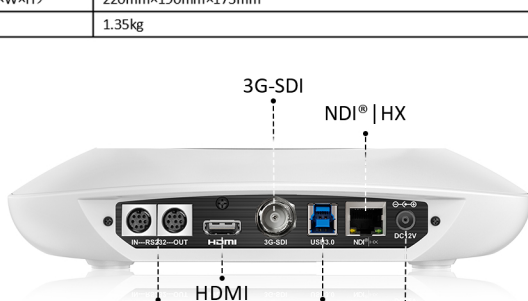
Image Parameters	
Noise Reduction	2D&3D
Minimum lux	0.7lux (50 IRE Max AGC, 1/30, F1.8)
White Balance	ATW/Manual/Auto/Indoor/Outdoor/One Push/Sodium/Fluorescent
Exposure	Auto/Manual/Shutter Priority/Iris Priority/Brightness Priority
Anti-Flicker	OFF,50Hz,60Hz
Image Flip	Support
Mirroring	Support
Focus	Auto/Manual
Iris	Auto/Manual
Electronic-shutter	Auto/Manual
Gamma	Support
Backlight Compensation	Support

IP Streaming	
Video Encoding	H.264/H.265
Bitrate Control	Variable bitrate(VBR), Constant bitrate(CBR)
Bitrate Range	1024Kbps~ 16384Kbps
Network Port Speed	1000M
Protocol	NDI®   HX, SRT, HTTP, RTSP, RTMP, DHCP, ONVIF, VISCA over IP, VISCA TCP, VISCA UDP,

Pan/Tilt Movement	
Preset	Remote controller: 10; Serial port: 128; Accuracy: 0.1°
Pan Rotation Angle	-170° ~+170°
Tilt Rotation Angle	-30° ~+90°
Pan Rotation Speed	0.1~120°/s
Tilt Rotation Speed	0.1~80°/s

I/O Interface	
Control Port	RS232, RS485, NDI®   HX, USB3.0(UVC1.5), USB2.0(UVC1.1)
Video Port	NDI®   HX, HDMI, 3G-SDI, USB 3.0
Tally	Support
POE+	Support
Daisy Chain	Support

General	
Input Voltage	DC12V, POE+(IEEE802.3at)
Operating Temperature	-10°C ~ 50°C
Operating Humidity	≤80%
Color	Black/White
Dimension (LxWxH)	220mmx190mmx173mm
Net Weight	1.35kg



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