



DRIVE+ N

NDI®HX Live Streaming PTZ Video Camera

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.

NDI®HX | 12X/20X | 1080P60
POE+



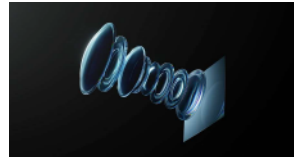
FHD resolution

Boasting a robust image processor and a 1/2.8-inch 2.4MP sensor, Drive+ 12/20 delivers FHD video resolution of 1920*1080p60, ensuring clear, sharp, lifelike images, even in low-light environments.



12x/20x optical zoom

It features a 12X optical zoom lens with a 72.5-degree wide angle or a 20X optical zoom lens with a 60-degree field of view. Its proprietary focusing algorithm ensures fast, precise focus even during zoom or movement.



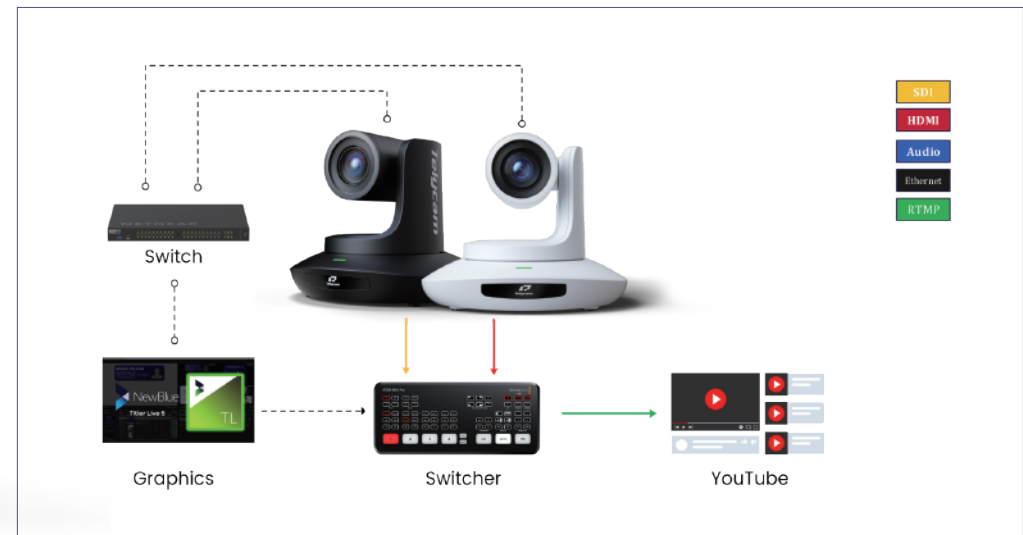
NDI®HX/3G-SDI/HDMI/USB 3.0 Available.

In addition to NDI®HX, it simultaneously outputs images via 3G-SDI, HDMI, and USB3.0. 3G-SDI and HDMI are for traditional video production, while the USB output can function as a high-end webcam.



Program and Preview Tally

The camera's indicator doubles as a Tally light, synchronizing with NDI® device notifications and monitoring your live stream's status.



Specifications

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(USB 3.0);
 1280*720P60/50/30(USB 3.0);
 1280*720P25(USB 3.0&USB 2.0);
 1024*576P30(USB 3.0&USB 2.0);
 960*540P30(USB 2.0);
 640*360P30(USB 2.0);
 512*288P30(USB 2.0)

Image Parameters

Noise Reduction	2D&3D
Minimum lux	0.7 lux(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	Supported
Mirroring	Supported
Focus	Auto/Manual
Iris	Auto/Manual
Electronic-shutter	Auto/Manual
Gamma	Supported
Backlight Compensation	Supported

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, Pelco P/D, RTP Multicast, HTML

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, USB 3.0(UVC1.5), USB 2.0(UVC1.1)
Video Port	NDI®HX, HDMI, 3G-SDI, USB3.0
Tally	Supported
POE+	Supported
Daisy Chain	Supported

General

Input Voltage	DC12V, POE+(IEEE802.3at)
Operating Temperature	-10℃~50℃
Operating Humidity	≤80%
Dimension (L×W×H)	220mmx190mmx173mm
Net Weight	1.35kg
Color	Black/White

Power Supply
POE+, DC12V

Remote control port
RS232, RS485



Video Output
HDMI, 3G-SDI, USB3.0, NDI®HX