VISION+ FN

HIGH BANDWIDTH NDI® PTZ CAMERA

| NDI ® | 10x/20x | 1080p60 | POE+ |

Vision+ FN is special supplementary for Telycam's NDI camera series, which is integrated Telycam's classic PTZ camera with Kiloview's professional full NDI® solution, to provide 1080p60 high-quality stunning images with extremely low latency in the whole NDI video production workflow.

A single cable enables power, video, control, and Tally.

NDI®, HDMI, 3G-SDI, USB2.0 Output 1080p60 resolution simultaneously Audio in input

Application

Key features

✦ 1080p60 Full HD Resolution

Vision+ FN is equipped with the most advanced image processing solution and 1/2.8-inch 2.4MP image sensor, to achieve smooth, sharp and crystal-clear FHD 1080p60 images, even in the low-light working environment.

✦ 10x/20x Optical Zoom

Shooting with 10x/20x optical zoom & 12X electronic digital zoom and a 60° horizontal angle of view.

✦ Full NDI® Integrated

High bandwidth NDI® transmits full HD video at a maximum of 125 Mbps, enabling high-quality, low-latency live video transmission.
With high bandwidth NDI®, Vision+ FN presents very less image compression and low latency for live video production, almost the same performance as HDMI output.

✦ 3G-SDI/HDMI/USB2.0 Available.

In addition to NDI®, 3G-SDI, HDMI and USB2.0 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	Vision+ FN 10x	Vision+ FN 20x
Part Number	TLC-300-IP-10-FNDI	TLC-300-IP-20-FNDI
Sensor	1/2.8 inch, 2.4MP CMOS Sensor	
Zoom	10X optical zoom	20X optical zoom
Lens	f= 4.9~ 49mm, F1.5~ F3.0	f= 4.9 ~98mm,F1.5~F3.0
Horizontal View Angle	60°(Wide) ~ 3.2°(Tele)	60°(Wide) ~ 3.2°(Tele)
Vertical Viewing Angle	32.2°~ 1.8°	
Diagonal Viewing Angle	61°~3.64°	
Minimum Working Distance	1.0m	
S/N Ratio	≥50dB	
Video Format	HDMl: 1920*1080P60/59.94/50/30/29.97/25/24/23.98; 1920*1080l60/59.94/50; 1280*720P60/59.94/50/30/29.97/25	
	Full NDl®: 1920*1080P60/59.94/50/30/29.97/25/24/23.98; 1920*1080I60/59.94/50; 1280*720P60/59.94/50/30/29.97/25	
	3G-SDI: 1920*1080P60/59.94/50/30/29.97/25/24/23.98; 1920*1080I60/59.94/50; 1280*720P60/59.94/50/30/29.97/25	
	USB Type-C: **YUY2:** 1920*1080P6; 1280*960P10; 1280*720P13; 1024*768P15; 800*600P25; 640*480P30; 640*480P30 **MJPG:** 1920*1080P30; 1280*960P30; 1280*720P30; 1024*768P30; 800*600P30; 640*480P30; 640*480P30	
Image Parameters		
Noise Reduction	2D&3D	
Minimum lux	0.7Lux (50 IRE Max AGC,1/30, F1.8)	
White Balance	Auto/Manual/Auto tracking/Push/Indoor/Outdoor/Color Temperature	
Exposure	Auto/Manual/Shutter Priority/Iris Priority/Brightness Priority	
Anti-Flicker	OFF, 50Hz, 60Hz	
lmage Flip	Support	
Mirroring	Support	
Focus	Auto/Manual	
Iris	Auto/Manual	
Electronic shutter	Auto/Manual	
Gamma	Support	
WDR	Support	
Backlight Compensation	Support	

IP Streaming	
Video Encoding	H.264/H.265
Video Bitrate	6Mbps~135Mbps
Bitrate Control	Variable bitrate(VBR), Constant bitrate(CBR)
Bitrate Range	1024Kbps~ 61440Kbps
Network Port Speed	1000M
Protocol	NDI®, TCP, HTTP, VISCA over IP(TCP&UDP), HTML5, VISCA, PELCO P/D
I/O Interface	
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°~80°/s
Tilt Rotation Speed	0.1°~60°/s
Pan/Tilt Movement	
Control Port	RS232, RS485, RJ45(VISCA over IP), USB2.0(UVC)
Video Port	NDI®|HX, HDMI, 3G-SDI, USB2.0(Type-C)
Audio Port	Dual 3.5mm linear inputs
Tally	Support
POE+	Support
Daisy Chain	Support
General	
Input Voltage	DC: 12V 2A(Pmax=11W), POE+: IEEE8023at(Pmax=11W)
Operating Temperature	-10℃~50℃
Operating Humidity	≤80%
Color	Black/White
Dimension (LxWxH)	220mmx190mmx173mm
Net Weight	1.45kg(3.3LBS)

HDMI

Line-IN

DC 12V

USB-C

RS232

NDI®

3G-SDI