



Digital Cameras and Adapters

Exclusively for Nikon Ts2 / Ts2-FL / MA100N

MULTIPLE OUTPUTS, MORE APPLICATIONS

The camera HD1210-TS provides four output methods: USB, WiFi, HDMI and WAN, and can stream live image simultaneously with multiple interfaces.



1  **USB mode:** Unique algorithm guarantees high-speed transmission (30fps at 12 megapixel) through H264 stream protocol, comes with Pixit Pro 64bit software for PC. No need to install driver.

2  **5G WiFi mode:** Using dedicated APP 'KoPa WiFi Lab' to view realtime images through mobiles, tablets and laptops simultaneously, up to 10 devices.

3  **HDMI mode:** Real-time stream images to monitor, TV, projector etc. through HDMI cable. Support 4K resolution (3840x2160 pixels) .

4  **Ethernet mode:** Connects to the router, allowing different computers in the same LAN to obtain real-time images simultaneously.

Synchronous Output Mode:

☆ USB + HDMI

☆ WiFi + HDMI

☆ WAN + HDMI

☆ WiFi + WAN + HDMI

i The camera can be directly connected to the monitor through HDMI without computer. In this mode, the USB cable is used with the power adapter only for power supply.

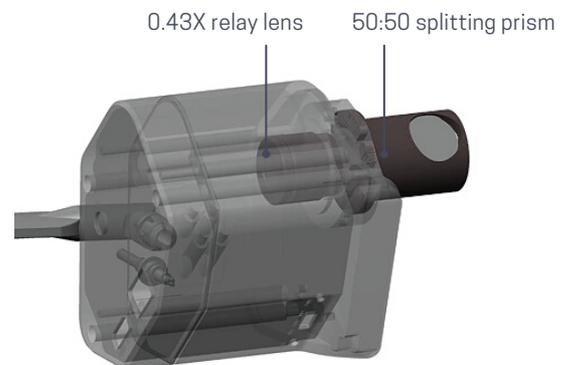
Exclusively for Nikon Ts2, Ts2-FL and MA100N microscopes

All-in-one camera integrated with camera port and adapter, and built-in splitting prism for 50:50 light distribution between eyepiece and camera. Using HD1210-TS camera means that you do not need to buy TS2-P-CF Camera Port 100 and C mount adapter while owning a high-quality camera.

UNIQUE DESIGN, FULLY MATCH

HD1210-TS camera is designed exclusively for Nikon Ts2, Ts2-FL and MA100N microscopes, fully matching the microscope body and optical path. The built-in 0.43X relay lens perfectly matches its format and guarantees a large field of view, without field curvature and distortion.

Camera HD1210-TS



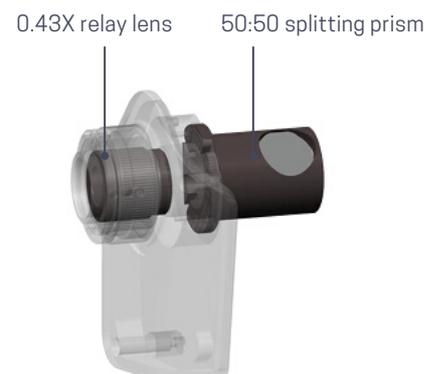
C Mount Adapter



- Standard C mount design for attaching camera directly
- Knob type focusing mechanism
- Easily synchronize the camera image and eyepiece image
- Light distribution: Camera Port/Eyepiece = 50/50

Model ADC-TS01: with built-in 0.43X relay lens

Model ADC-TS02: without relay lens



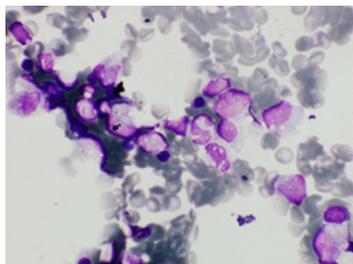
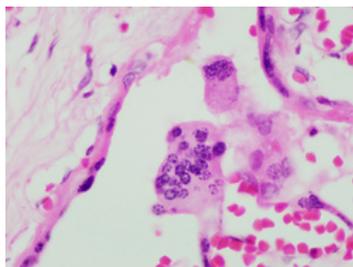
Stunning in bright filed

In bright field imaging, thanks to the optimized algorithm of automatic exposure and automatic white balance, it doesn't require many adjustments to get the desired image.

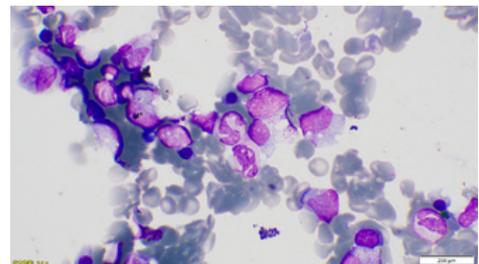
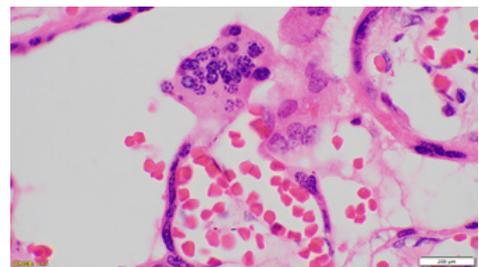
MORE PIXELS, MORE DETAILS

HD1210-TS camera employs the latest back-illuminated and stacked CMOS image sensor with diagonal 7.857 mm (Type 1/2.3"). Max. recordable pixels are up to 4000x3000 (12 megapixel), supporting 4K output through HDMI.

HD1210-TS



Top brand



Histological H&E | Bright filed, 100X objective

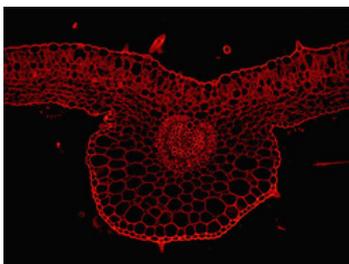
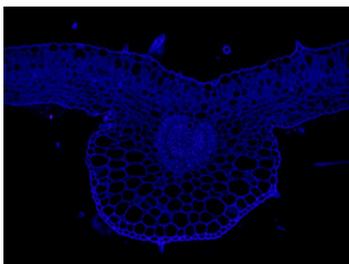
Exceptional in low light

Thanks to the dedicated color balance algorithm, the camera can not only obtain perfect "true color" images in bright field, but also perform well in dark field and fluorescence.

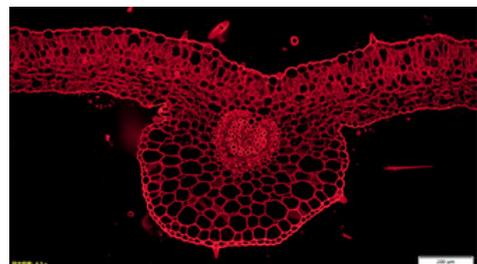
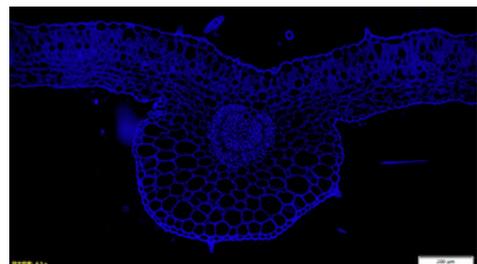
EXCELLENT IMAGE RETENTION

HD1210-TS camera has been color-calibrated according to the optical system of Nikon microscope to obtain perfect color balance. Biological mode and industrial mode can be selected for different application types.

HD1210-TS



Top brand camera



Pelargonium Leaf | Dark filed, 10X objective

Specifications

Resolution	12 MP (4000x3000 pixels)
Sensor Type	1/2.3" Sony CMOS
Pixel Size	1.55 μm
Frame Rate	30 fps (60 fps on HDMI)
Shutter	Electronic rolling
Spectral Response	308 ~ 650 nm
Exposure	Realtime automatic, Manual
White Balance	Realtime automatic, Manual
Data Interface	USB, HDMI, WiFi, WAN
Optical Interface	C mount (no lens) or Dovetail mount (0.43x lens)
HDMI Output	Auto-adaptive display, up to 3840x2160
WiFi Protocol	5G WiFi, IEEE 802.11ac
WiFi Frequency	5.180 ~ 5.825 GHz
Image Format	Snapshot: JPG, BMP, PNG, TIFF Record: MP4 file
Power Input	DC 5.0V, 2A
PC Software	Pixit Pro_64bit

Model List

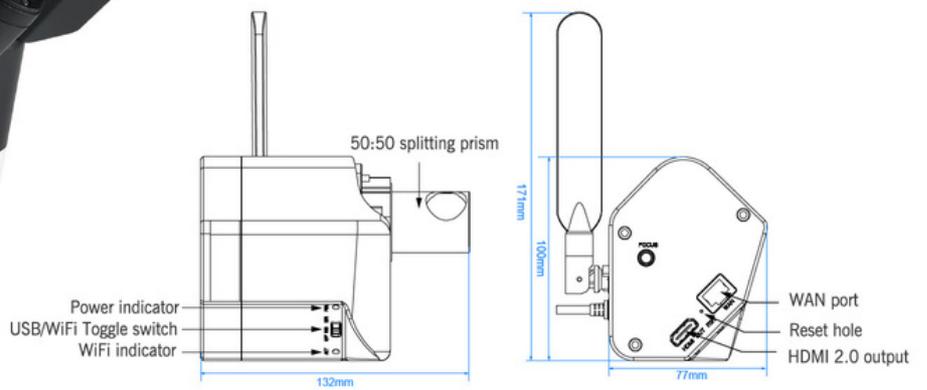
Applicable Microscope	Model	Output	Mount Type
Standard C-Mount	MC1200	USB	Type A (no lens)
Standard C-Mount	HD1210	Multiple *	
Olympus	MC1200-O	USB	Type B (Dovetail with 0.43X lens)
Nikon	MC1200-N	USB	
Leica	MC1200-L	USB	
Zeiss	MC1200-Z	USB	
Olympus	HD1210-W	Multiple *	Type B (Dovetail with 0.43X lens)
Nikon	HD1210-WN	Multiple *	
Leica	HD1210-WL	Multiple *	
Zeiss	HD1210-WZ	Multiple *	
Nikon Ts2/ MA100N	HD1210-TS	Multiple *	

*Multiple means the camera provides outputs including USB, WiFi, HDMI and WAN

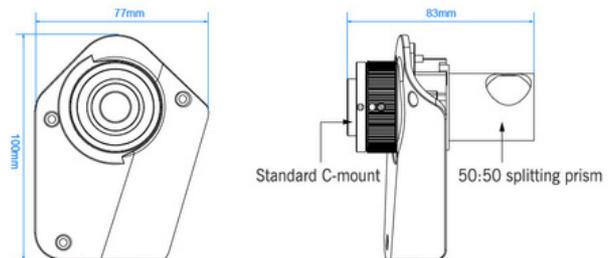
C-Mount Adapter for Nikon Ts2 / MA100N	ADC-TS01	0.43 X relay lens
C-Mount Adapter for Nikon Ts2 / MA100N	ADC-TS02	1 X (no lens)

Dimensions

Digital Camera HD1210-TS



C Mount Adapter for Ts2 / Ts-FL / MA100N





LANOPTIK TECHNOLOGIES LTD

No. 72 Hongjing Street, Lejia Road, Baiyun District, Guangzhou, China. 510400

Phone: +86 20 3898 6017 | Fax: +86 20 3847 6076

Website: <http://www.lanoptik.com> | Email: info@lanoptik.com