

# TT-12G Document Cameras Specifications

Image Sensor	12M 1/2.3"	
Optical Zoom	12x	
Digital Zoom	16x	
Total Zoom	192x	
Lens / Aperture	F=3.2-3.8	
Auto focus	One-Push / Manual	
Shooting Area	Max. 430x319mm, Min. 53.6x40.3mm (4:3) Max. 469x259mm, Min. 58.5x33mm (16:9)	
Focal Range	WIDE:50mm~ TELE:200mm~	
Resolution	TV Lines	Horizontal 1600TV (4K) Vertical 1600TV (4K)
	USB (MJPEG)	3840x2160@30fps 1920x1080@60fps
	HDMI	4K/30fps,1080P/60fps, 720p/60fps
	RGB	1080P/XGA
Simultaneous output (USB/HDMI/RGB)	Yes	
Miracast	Yes (Max. 1080p)	
Built-in Microphone	Yes	
Audio Selection	(1) Microphone related Input: Built-in microphone / External microphone and line input are used together Output: Line output (2) HDMI audio: HDMI output of external HDMI input audio only. No output of camera image audio	
Audio ON/OFF	Software Selection	
Recording save locations	(1) USB flash drive (still images/video) (2) SD card (still image/video) (3) Internal memory (still images) Priority: USB memory > SD card > Internal storage	
Record / Playback SD Card	Resolution Up to 4K (8 to 4 Mbps) Built-in microphone sound is included in video. Video recording is not possible during USB image output.	
OSD View	HDMI/RGB/USB	
Start Up Time	Approx. 15 sec.	
Classroom Support Functions	Highlight / Mask / Microscope / Compare Picture / PinP	
Image Rotation	0°/90°/180° / Mirror / Flip	
Drawing Function	Mouse / CRA-2 / CRB-3	
LED Lighting	Yes	
Input	External Microphone	3.5mm Stereo Mini Jack x 1
	VGA	D-sub (Passthrough)
	HDMI	HDMI Type A (Passthrough)
	USB host	USB2.0 TypeA x 1 USB Memory
Output	USB Device	USB2.0 TYPE C (UVC/UAC)
	VGA	D-sub (Passthrough)
	HDMI	HDMI Type A (Passthrough)
	Line Out	3.5mm Stereo Mini Jack x 1
SD Card	Max32GB (FAT32)	
Wi-Fi Radio Bandwidth	2.4/5GHz	
Remote Control	Yes	
Power Supply Voltage	12V DC Jack	
Power Consumption	21.6W	
Weight (Main Unit Only)	6.6 Lbs.	
Dimensions	Setup: 349(W)x432(H)x377(D)mm Folded: 195(W)x475(H)x294(D)mm	
Accessories	AC Adapter, Power Cord, USB Cable, Quick Start Guide, HDMI Lock x2, Cable Tie x2, Remote Control, Coin Battery	