SMART®

SMART Document Camera™ 650

Get hands-on with digital learning

4K Ultra-HD   **13**MP camera   **230**x total zoom   **10**x Optical zoom   **5** Year warranty

Get connected
Connect digital learning to the physical world. Digitally capture and share hands-on teaching to the SMART Board® for high quality instruction, even while video conferencing.

Get simple
Do more in the classroom with a document camera that's easy to setup, use and maintain in flexible and diverse classroom configurations

Get engaging
Engage students with dynamic multimedia lessons and rich Ultra HD instruction for every grade and subject area.

Key Features:

- SMART Board integration & Android™ app
- SMART Notebook® integration
- Peer-to-peer wireless connectivity for Windows® and Mac®
- UVC compliant webcam for high-definition video conferencing
- Built-in microphone
- Convenient controls for easy capture & recording
- Wired or Dual Band Wi-Fi connection
- Rechargeable battery

SMART Document Camera 650 specifications

IMAGE

Sensor	1/3.2" CMOS
Pixel count	13 megapixels
Effective pixels	Horizontal: 3840 Vertical: 2160 / 60fps
Frame rate	Maximum 60 fps
HDMI Output resolution	3840×2160 / 1920×1080 / 1280×720
USB Output resolution	3840×2160 / 1920×1080 / 1280×720 / 640×360 / 2560×1920 / 2048×1536 / 1600×1200 / 1280×960 / 1024×768 / 640×480 / 1280×1024 / 1280×800 / 320×180 / 320×240
Wifi streaming resolution	3840×2160 / 1920×1080 / 1280×720 / 640×360 / 1280×960 / 1024×768 / 640×480 / 1280×1024 / 1280×800

OPTICS

Zoom	Total 230X max. (10X Optical + 23X Digital Zoom)
Focus	Automatic / manual (via remote control or control panel Automatic / manual / area (via document camera software)
Shooting area	480 mm × 345 mm @ 470 mm

FUNCTION

Brightness	Automatic / manual
White balance	Automatic / manual
Contrast	Automatic / manual
Exposure	Automatic / manual
Image rotation	0° - 90° (rotate by camera head) / 0° - 180° (using document camera software)

Image mode	Normal / High Frame / High Quality/ Microscope / Infinity / Macro
Image effects	Black and white / Negative / Color
Image freeze	Yes
Lighting	Built in LED
Mic	Built-in
Wifi streaming	1080p @30fps, up to 4K @30fps
Wireless modes	P2P[1] / WiFi / Miracast
Image / Video recording	Yes[2]

COMPATIBILITY

Wireless network	802.11a/b/g/n/ac
Dual band	2.4 GHz / 5 GHz
Wireless security	Supports WEP, WPA/WPA2-PSK, WPA/WPA2-Enterprise (EAP-PEAP, EAP-TLS)
Miracast support	Yes
UVC compliant	Yes
Software	SMART Notebook 20.1 or later SMART Document Camera 650 software

INPUTS

	Qty
Power DC 5V	1
HDMI	1
USB 2.0 Type A[3]	1

OUTPUTS

	Qty
HDMI 4K @ 50 Hz / 60 Hz, 1080p @ 50 Hz / 60 Hz, 720p @ 50 Hz / 60 Hz	1
USB mini- B[4]	1
USB 2.0 Type-A[5]	1

COMPLETE TECHNICAL SPECIFICATIONS

See smarttech.com/kb/171734 (coming soon).

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[1] Peer-to-Peer (P2P) supported with SMART Document Camera 650 software.

[2] Available via connected USB drive (not included), SMART Notebook, or document camera software.

[3] For the WiFi dongle.

[4] For connecting to a computer; charging in standby mode.

[5] For connecting a USB storage device.