



# SMART Document Camera™ 650

Get hands-on with digital learning

## 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.

4K  
Ultra-HD

13MP  
camera

230x  
total  
zoom

10x  
Optical  
zoom

5 Year  
warranty

### 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

<b>Sensor</b>	1/3.2" CMOS
<b>Pixel count</b>	13 megapixels
<b>Effective pixels</b>	Horizontal: 3840 Vertical: 2160 / 60fps
<b>Frame rate</b>	Maximum 60 fps
<b>HDMI Output resolution</b>	3840×2160 / 1920×1080 / 1280×720
<b>USB Output resolution</b>	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
<b>Wifi streaming resolution</b>	3840×2160 / 1920×1080 / 1280×720 / 640×360 / 1280×960 / 1024×768 / 640×480 / 1280×1024 / 1280×800

## OPTICS

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

## FUNCTION

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

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

## COMPATIBILITY

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

## INPUTS

	Qty
Power DC 5V	1
HDMI	1
USB 2.0 Type A <sup>3</sup>	1

## OUTPUTS

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

## COMPLETE TECHNICAL SPECIFICATIONS

See [smarttech.com/kb/171734](http://smarttech.com/kb/171734) (coming soon).

<sup>1</sup>Peer-to-Peer (P2P) supported with SMART Document Camera 650 software.

<sup>2</sup>Available via connected USB drive (not included), SMART Notebook, or document camera software.

<sup>3</sup>For the WiFi dongle.

<sup>4</sup>For connecting to a computer; charging in standby mode.

<sup>5</sup>For connecting a USB storage device.