

Equipment List for NovaStar Pixel Level Calibration System

All the equipment listed below, except the dongle, shall be purchased by the client.

Equipment for Cabinet Calibration in Darkroom

No.	Name	Model	Appearance	Description
	Camera (Choose one from the four)	Canon 90D	CAHOTI	Before purchasing this camera, make sure whether the official accessories include a USB cable. If not included, it shall be prepared by the client.
		Canon 70D	Canon	A USB cable: about 1 m See chapter 3 for details on the camera power adapter (for cabinet calibration in darkroom).
1		Canon 7D Mark II	Сапоп 900 70 година 1 година	The upgraded edition of Canon 7D
		Canon 80D	Canon	A Canon digital camera
	Lens	Canon 18–200mm	#UCA 60 mp.	Standard zoom lens, Canon EF-S bayonet
2		Canon EF-S 18– 135mm f/3.5–5.6 IS USM	The state of the s	Standard zoom lens, Canon EF-S bayonet
		Canon EF 70–200mm f/4L IS II USM		Standard zoom lens, Canon EF bayonet

PAGE 1

3	Tripod	WF-717		Aluminum alloy, 1.8 m, with hydraulic damping head
4	Dongle	NovaStar	Senfinel	This is the authorization tool of NovaStar calibration software. It is provided by NovaStar.
5	Desktop computer	Windows XP, Win7, Win8, Win10		You are advised to use a high- performance computer to help improve the calibration speed.

2 Equipment for On-Site Screen Calibration

No.	Name	Model	Appearance	Description
1	Camera (Choose one from the five)	C3200		Contact NovaStar sales to purchase this camera if needed.
		Canon 90D	Canon (52)	Before purchasing this camera, make sure whether the official accessories include a USB cable. If not included, it shall be prepared by the client.
		Canon 70D	CAHON	Fittings: 1. A USB cable: about 1 m 2. Two batteries and a battery charger

www.novastar.tech PAGE 2

		Canon 7D Mark II	Саноп (95 70 мм 1 м	The upgraded edition of Canon 7D
		Canon 80D	Canon ers (some the source of	A Canon digital camera
	Lens	Canon 18–200mm	TELEVISION OF THE PROPERTY OF	Standard zoom lens, Canon EF-S bayonet
2		Canon EF-S 18– 135mm f/3.5–5.6 IS USM	The state of the s	Standard zoom lens, Canon EF-S bayonet
		Canon EF 70– 200mm f/4L IS II USM	All in the second secon	Standard zoom lens, Canon EF bayonet
		SIGMA 50–500mm (Optional)		Super-telephoto zoom lens, Canon bayonet, for long-distance on-site calibration
3	Tripod	WF-717		Aluminum alloy, 1.8 m, with fluid damping head
4	Dongle	NovaStar	Sentinel	This is the authorization tool of NovaStar calibration software. It is provided by NovaStar.

5	Wireless router	TP-LINK	0077701.	This TP-LINK wireless router is used to establish a WLAN for online calibration. You can select a model based on actual requirements.
6	Laptop	Windows XP, Win7, Win8, Win10		You are advised to use a computer with a high-capacity battery to meet the calibration time requirement.

3 Optional Equipment

No.	Name	Model	Appearance	Description
1	Colorimeter	Minolta CS100A		Fittings: 1. A PoweredUSB cable 2. A tripod to fix the CS100A Function: Absolute measuring of the cabinet brightness and chroma values
		Minolta CS150		Fittings: 1. A PoweredUSB cable 2. A tripod to fix the CS150 Function: Absolute measuring of the cabinet brightness and chroma values
		Minolta CS2000		Fittings: 1. A USB cable 2. A power adapter 3. A stable tripod Function: Absolute measuring of the cabinet brightness and chroma values

PAGE 4

2	Barcode scanner	Honeywell MS3780		Function: Scan the cabinet barcode to automatically start calibration. Note: If you need the support of other models, please contact NovaStar R&D engineers.
3	USB extension cable	Select by client	3601	Connect the camera data cable to the computer during cabinet calibration in order to allow for replacing cabinet and operating software by only one person. Select an appropriate extension cable based on the distance between the cabinet and camera.
4	Camera power adapter	SANG Canon EOS70D 5D2 5D3 60D 7DMARKII ACK-E6 DR-E6 power adapter		This adapter is used to provide external power for the camera. The model is for reference only.
5	Wireless network card	COMFAST CF- WU771N		300 Mbps high-power USB wireless network card, with a built-in 10 dB radar directional antenna

Note

The CS2000 colorimeter has higher stability and measuring precision than the CS100A and CS150, but it has a higher price.

If you only need to measure white balance of the same batch of cabinets, or measure only one of the two batches of cabinets and then calibrate those cabinets using the same target value, you are advised to use the CS100A or CS150.

If you need to measure cabinets one by one, you are advised to use the CS2000.