

BDS300-DV/BDS300-HDMI Digital Inverted Microscope

- OPTICS infinity optical system
- Without eyepiece, reduce visual fatigue
- It can be placed inside a suitable size cell culture cabinet, convenient for cell culture inside the cover and effectively reducing cell contamination
- Two digital configurations for choosing



- Screen angle adjustable(0-90°)



- Long working distance condenser N.A.0.32, W.D.48mm



- Built-in LED illumination system which can be powered with power Bank, Laptop and Vehicle power supply
- 5-12V low voltage input, to ensure safe use
- USB C cable and adapter

Objective Parameter List (Cover-glass thickness1.1mm)

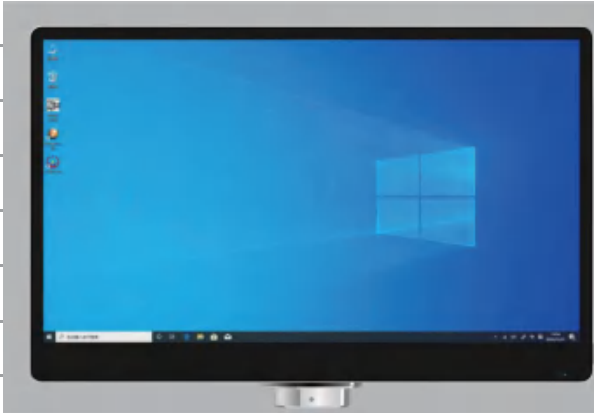
	Objectives	N.A.	Working distance(mm)
LWD Infinity Plan Objectives	Plan FL 2X	0.06	7.2
	L Plan FL 4X	0.11	12.1
	L Plan FL 10X	0.25	10.3
	L Plan FL 20X	0.45	5.8
	L Plan FL 40X	0.65	5.1
LWD Infinity Plan Phase Contrast Objectives (Both for Bright Field & Phase Contrast)	L Plan FL PHP 4X	0.10	9.2
	L Plan FL PHP 10X	0.25	10.3
	L Plan FL PHP 20X	0.45	5.8
	L Plan FL PHP 40X	0.65	5.1





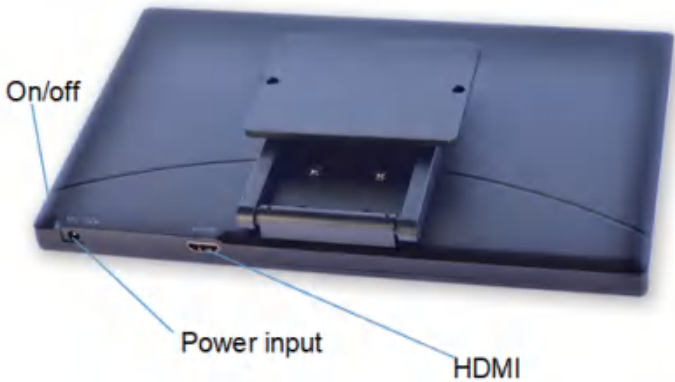
BDS300-DV Tablet Camera Technical Parameters

Screen Details	Screen	11.6" 1920*1080 IPS Screen
	CPU	Inter GLK
	Operation system	Windows10, 64bit
	WiFi	2.4GHz/5GHz, support 802.11a/b/g/n/ac Protocol
	Bluetooth	Bluetooth 4.2
	Interface	USB3.0,HDMI,WiFi, WAN
	Pxiel size	1.335μm x1.335μm
	Power	DC 12V/2A
Built-in Camera	Sensor	SONY IMX178 Color CMOS
	Scaning mode	Rolling
	Resolution	3072 × 2048(max.)
	Sensor size	1/1.8" (diagonal 8.923mm)
	FPS	59@3072 × 2048, 59@1536 × 1024
	White balance	ROI / Temp-Tint
	Store	Image, video
	Cooling mode	Natural cooling

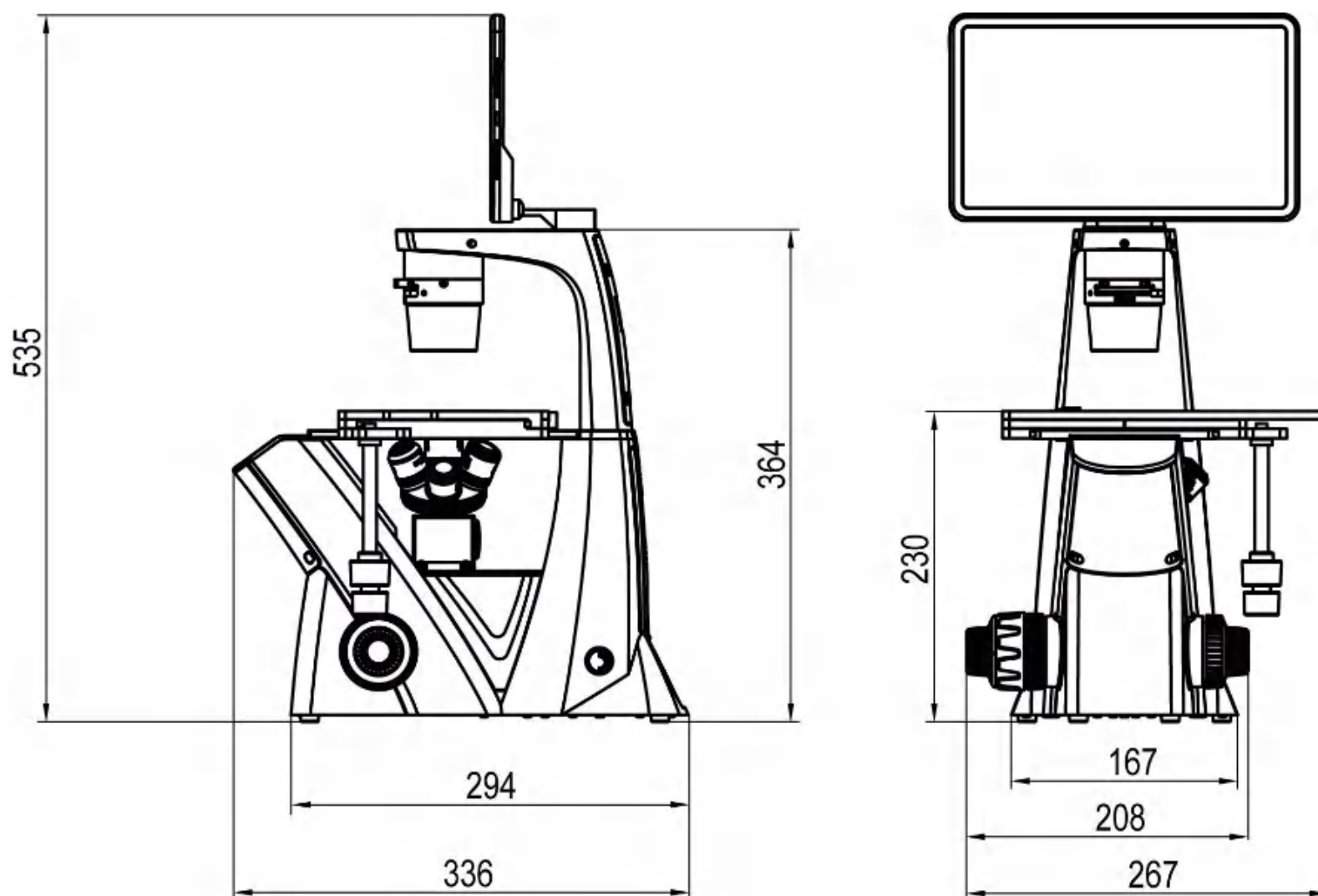




BDS300-HDMI Screen+HDMI 4K Camera Technical Parameters

HDMI Screen	Display type	11.6" HDMI screen	
	Native Resolution	1920×1080	
	Playing mode	ips-ProFW-LensVT	
	Contrast ratio	1000:01:00	
	Reponse time	26(Trp.)(Tr+TD) (MS)	
	Outpout	HDMI	
	Power	DC-12V	
	Viewing anlge	LSP (Full)	
	Brightness	400cd/m²	
HDMI 4K Camera	Model	YM5605	
	System	Linux	
	Sensor	1/1.8"	
	Core	1.5GHz Dual ARM Cortex-7	
	Pixel size	2.0µm x2.0µm	
	Resolution	3840*2160	
	FPS	30fps	
	Power	DC-12V	
	Output	HDMI,UVC,WiFi, LAN	
	Working temperature	0-70°	
	Size	60*60*64.2mm	

BDS300-DV Digital Inverted Microscope Size(mm)



BDS300-HDMI Digital Inverted Microscope Size(mm)

