

# FLX 300

Entry-Level Industrial Desktop

LCD Technology

4K Resolution



**UnionTech**

## Highlights

UV LED array	Extreme uniformity of lighting and high efficiency of printing
4K LCD	Long lifetime of 5000hrs and easy one-piece replacement
40PPI cotton filter	Dust-free protection for light source room
Compact structure	Integrated with 10.1" touch screen and industrial PC
Dual slider	Elevator positioning accuracy of $\pm 3\mu\text{m}$ reaching P-class
Replaceable film	Working cost lowered by replaceable film for resin vat
Environment heater	Temperature in build room controlled by heating system
Printing speed	Normal/super printing mode with speed range of 24-40mm/hr

## Technical Data

Build envelope	mm	290 x 165 x 240	Data pre-processing		Polydevs Pro
	in	11.4 x 6.5 x 9.5	Printer controlling		DSCON
Printing speed	mm/hr	15-20 (0.05 mm/layer) / 25-30 (0.1 mm/layer)	Operating system		Windows 10
Accuracy	mm	$\pm 0.1$ (150mm standard part)	Touch screen size	in	10.1
		$\pm 0.1$ (2mm thickness)	Data transfer interface		USB / Ethernet
Elevator positioning accuracy	$\mu\text{m}$	$\leq \pm 3$	Power supply		220 VAC, 50 Hz
Elevator rail		Dual slider	Rated power	W	800
Layer thickness	mm	0.05/0.1 (variable)	System control		Closed-loop
Resolution		3840 x 2160	Temperature range	$^{\circ}\text{C}/^{\circ}\text{F}$	22-26 / 72-79
Light source		UV LED array	Max temperature change rate	$^{\circ}\text{C}/\text{hr}$	1
Power density	$\text{mw}/\text{cm}^2$	2.5	Relative humidity	%	<40
Pixel size	$\mu\text{m}/\text{pix}$	76	Printer size unpacked	mm	600 x 510 x 900
Wavelength	nm	405	Printer weight unpacked	kg	85
Customer input file format		.stl / .obj / .off / .ply / .3mf	CE certificate		Yes