NeoReal 160 - 2 channels – 16 wells RealTime PCR System
#Cat: NB-12-3030   Size: 1Unit

1, 16 wells 2 channels, specialize in fast quantitation (4 channels optional)

2, Innovative SSLP™ CCD imaging technology for qPCR, fluorescence of all sample holes is detected at the same time.

3, 7" Color TFT Touch Screen, Edit, run, and view results at a glance.
     All operation and analysis could be done on board with no computer4,

Self-lock heat lid realize no evaporation.

5, T-Optical™ top detection technology, white PCR tube could be used, produce better sensibility.

6, Top excitation and detection technology ensure white tubes could be used, which could get better results.

TECHNICAL SPECIFICATIONS
PERFORMANCE

Sample Block Capacity	16 wells *0.1ml
Reaction Volume	10-100µl
Tubes Option	Low-profile white 0.1 ml PCR tube /8-tube strips with optical flat cap
Healing &Cooling Technology	New generation Peltier technology allow 1.000.000 cycles
Display	7"Color TFT Touch Screen, Edit, run, and view results at a glance
Optical System	SSLP™ CCD imaging technology
Certified	Non CE-IVD

TEMPERATURE

Block Temp.Range	4°C-100°C
Max.Heating Rate	5°C/sec

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Max.Cooling Rate	4°C/sec
Temp.Uniformity	±0.25°C (at 90°C)
Temp.Accuracy	±0.25°C (10 seconds after reach 90°C)
Display Resolution	0.1°C
Heat Lid Temp.Range	30°C~112°C
Temp.Control Mode	Block & Sim-tube mode

FLUORESCENCE DETECTION

Excitation	Long life LEDs
Detection	CCDs
Dynamic Range	$1-10^{10}$
Detection Sensitivity	Detects 1 copy
Fluorescence Detection Type	T-Optical™ top excitation & detection technology; with no moving parts
Calibrated Dyes at Installation	F1：FAM, SYBR Green
	F2：VIC, HEX, JOE, CY3, NED
Fluorescence Excitation Range	300-800nm
Fluorescence Detection Range	500-800nm
Date Export Formats	TXT, PDF, WORD

OTHER FEATURES

Power	Global switch power supply: 85V-265V, 50-60Hz
Consumption	220W
Net Weight	3.6KG
Dimensions (L×W×H)	305×179×186mm
Communications	USB 2.0 & LAN, export date via USB flash drive

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