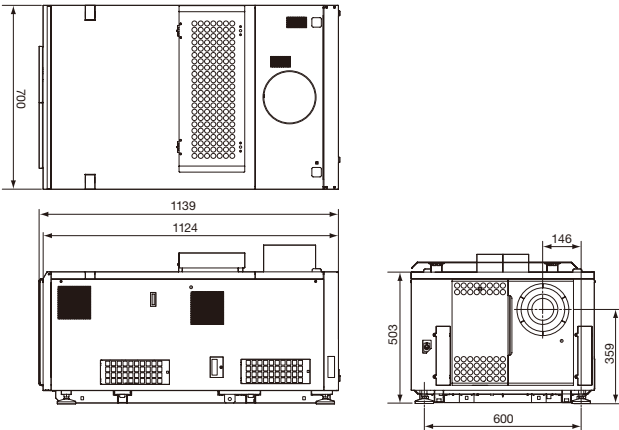


# NC3240S

- 1.38" DLP Chip®
- 4K Resolution (4096x2160)
- 33000 lumen

## External Diagram



The NC3240S has an optional movable stand for improved installation and accessibility.

DIGITAL  
PICTURE BY  
**DLP**  
CINEMA  
TEXAS INSTRUMENTS

## Specifications for NC3240S

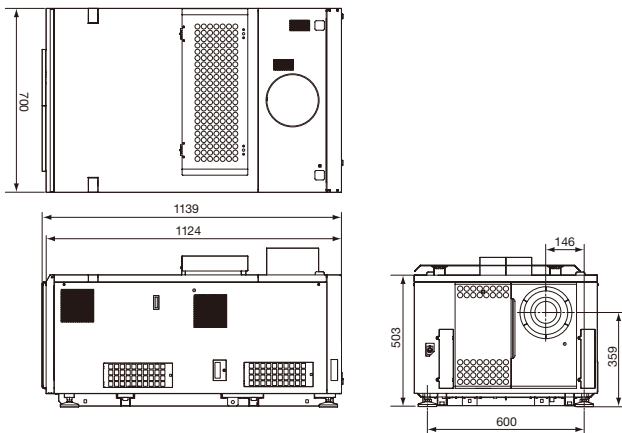
MODEL	NC3240S
Projection system	3 chip DMD reflection method
DLP® Chip specifications (size and resolution)	1.38 inches, 4096 x 2160 pixels
Brightness**	33000lm with NC-32PS01(7kW LPSU) & USHIO DXL-70SN 7kW lamp*      22500lm with NC-32PS02(4kW LPSU) & USHIO DXL-41SN 4kW lamp *
Supported screen sizes (maximum)	Width 32m/105ft with NC-32PS01(7kW LPSU) **      Width 22m / 72ft with NC-32PS02(4kW LPSU) **
Contrast ratio	2000:1 (full on/off) ***
Primary lens (option)	L2K-12ZM      1.13 to 1.31 :1 zoom
	NC-50LS12Z      1.13 to 1.66:1 zoom
	NC-50LS14Z      1.30 to 1.85:1 zoom
	NC-50LS16Z      1.45 to 2.17:1 zoom
	NC-50LS18Z      1.63 to 2.71:1 zoom
	NC-50LS21Z      1.95 to 3.26:1 zoom
L2K-30ZM      2.71 to 3.89:1 zoom	
Lens adjustment function	Motorized focus, zoom, horizontal/vertical shift, light shutter (dowser) / Lens memory stores lens setting (shift/zoom/focus) /Range of shift is dependent on lens
Lamp bulbs	NEC certified digital Xenon lamp bulbs w/ NC-32PS01(7kW LPSU): 4.5kW/6kW/7kW lamp bulb      w/ NC-32PS02(4kW LPSU): 4kW Compatible standard film projector lamp bulbs listed by NEC
Cooling system	<ul style="list-style-type: none"> <li>• Liquid cooling inside, air cooling with dust-preventing electrostatic filter</li> <li>• Total thermal dissipation: 35850BTU with NC-32PS01(7kW LPSU)      19800BTU with NC-32PS02(4kW LPSU)</li> <li>• Projector exhaust: Top mounted</li> <li>• Demand of exhaust duct: 565CFM (16m<sup>3</sup>/min)      w/ NC-32PS01(7kW LPSU): 565CFM (16m<sup>3</sup>/min)      w/ NC-32PS02(4kW LPSU): 460CFM (13m<sup>3</sup>/min)</li> </ul>
External Controls	LAN port [RJ-45] x 1 / USB port [Type A] x 1 / Serial port (RS-232C) [D-sub(9-pin) x 1 / General Purpose I/O [D-sub (37-pin)] x 1 / General purpose I/O for 3D (D-sub [15-pin] x 1)
Input Terminals	HD-SDI port [BNC] x 4 / DVI port [DVI-digital] x 2 (option)
Noise level	66dB with NC-32PS01(7kW LPSU)      60dB with NC-32PS02(4kW LPSU)
Power supply voltage	NC3240S(Projector head): 100 to 240V AC, 50/60Hz, single phase w/ NC-32PS01(7kW LPSU): 200 to 230V / 380 to 415V AC, 50/60Hz, 3 phases      w/ NC-32PS02(4kW LPSU): 200 to 240V AC / 50/60Hz, single phase
Rated Input Current	NC3240S(Projector head): 8A-4.2A w/ NC-32PS01(7kW LPSU): 28A@200 to 230V / 16A@380 to 415V      w/ NC-32PS02(4kW LPSU): 25A
Power Consumption	NC-32PS01(7kW LPSU): 9700W / NC3240S(Projector head): 800W / Total: 10500W NC-32PS02(4kW LPSU): 5000W / NC3240S(Projector head): 800W / Total: 5800W
Operating environment	Operational temperatures: 50°F - 95°F / 10°C - 35°C      Humidity: 10% - 85% (non-condensing) Storage temperatures: 14°F - 122°F / -10°C - 50°C      Humidity: 10% - 85% (non-condensing)
External dimensions(W x D x H)	NC3240S(Projector head): 27.6 x 44.3 x 19.8 in. / 700 x 1124 x 503mm      Excluding lens, lens hood, exhaust stack and handle. Including feet. NC-32PS01(7kW LPSU): 23.4 x 15.7 x 17.8 in. / 594 x 398 x 452mm      NC-32PS02(4kW LPSU): 23.4 x 15.7 x 15.5 in. / 594 x 398 x 394mm
Weight	NC3240S(Projector head): 213.8 lbs. / 97 kg      Excluding lens and lamp bulb. NC-32PS01(7kW LPSU): 114.7 lbs. / 52 kg      NC-32PS02(4kW LPSU): 90.4 lbs. / 41 kg

LPSU stands for Lamp Power Supply Unit      \* Color-corrected / center lumens      \*\* Subject to installation conditions. Maximum screen size is under the conditions of 14-ft-L @ screen gain 1.8      \*\*\* When iris mounted

# NC3200S

- 1.2" DLP Chip®
- 2K Resolution(2048x1080)
- 33000 lumen

## External Diagram



The NC3200S has an optional movable stand for improved installation and accessibility.



## Specifications for NC3200S

MODEL	NC3200S
Projection system	3 chip DMD reflection method
DLP® Chip specifications (size and resolution)	1.2 inches, 2048 x 1080 pixels
Brightness*1	33000lm with NC-32PS01(7kW LPSU) & USHIO DXL-70SN 7kW lamp*      22500lm with NC-32PS02(4kW LPSU) & USHIO DXL-41SN 4kW lamp *
Supported screen sizes (maximum)	Width 32m/105ft with NC-32PS01(7kW LPSU) **      Width 22m / 72ft with NC-32PS02(4kW LPSU) **
Contrast ratio	2200:1 (full on/off)
Primary lens (option)	L2K-12ZM      1.25 to 1.45:1 zoom
	NC-50LS12Z      1.25 to 1.83:1 zoom
	NC-50LS14Z      1.44 to 2.05:1 zoom
	NC-50LS16Z      1.6 to 2.4:1 zoom
	NC-50LS18Z      1.8 to 3.0:1 zoom
	NC-50LS21Z      2.15 to 3.6:1 zoom
Lens adjustment function	L2K-30ZM      3.0 to 4.3:1 zoom
	Motorized focus, zoom, horizontal/vertical shift, light shutter (dowser) / Lens memory stores lens setting (shift/zoom/focus) /Range of shift is dependent on lens
Lamp bulbs	NEC certified digital Xenon lamp bulbs w/ NC-32PS01(7kW LPSU): 4.5kW/6kW/7kW lamp bulb      w/ NC-32PS02(4kW LPSU): 4kW Compatible standard film projector lamp bulbs listed by NEC
Cooling system	• Liquid cooling inside, air cooling with dust-preventing electrostatic filter • Total thermal dissipation: 35500BTU with NC-32PS01(7kW LPSU)      19500BTU with NC-32PS02(4kW LPSU) • Projector exhaust: Top mounted • Demand of exhaust duct: 565CFM (16m³/min)      w/ NC-32PS01(7kW LPSU): 565CFM (16m³/min)      w/ NC-32PS02(4kW LPSU): 460CFM (13m³/min)
External Controls	LAN port [RJ-45] x 1 / USB port [Type A] x 1 / Serial port (RS-232C) [D-sub(9-pin)] x 1 / General Purpose I/O [D-sub (37-pin)] x 1 / General purpose I/O for 3D [D-sub (15-pin)] x 1
Input Terminals	HD-SDI port [BNC] x 4 / DVI port [DVI-digital] x 2
Noise level	66dB with NC-32PS01(7kW LPSU)      60dB with NC-32PS02(4kW LPSU)
Power supply voltage	NC3200S(Projector head): 100 to 240V AC, 50/60Hz, single phase w/ NC-32PS01(7kW LPSU): 200 to 230V / 380 to 415V AC, 50/60Hz, 3 phases      w/ NC-32PS02(4kW LPSU): 200 to 240V AC / 50/60Hz, single phase
Rated Input Current	NC3200S(Projector head): 7A-3.5A w/ NC-32PS01(7kW LPSU): 28A@200 to 230V / 16A@380 to 415V      w/ NC-32PS02(4kW LPSU): 25A
Power Consumption	NC-32PS01(7kW LPSU): 9700W / NC3200S(Projector head): 700W / Total: 10400W NC-32PS02(4kW LPSU): 5000W / NC3200S(Projector head): 700W / Total: 5700W
Operating environment	Operational temperatures: 50°F - 95°F / 10°C - 35°C      Humidity: 10% - 85% (non-condensing) Storage temperatures: 14°F - 122°F / -10°C - 50°C      Humidity: 10% - 85% (non-condensing)
External dimensions(W x D x H)	NC3200S(Projector head): 27.6 x 44.3 x 19.8 in. / 700 x 1124 x 503mm      Excluding lens, lens hood, exhaust stack and handle. Including feet. NC-32PS01(7kW LPSU): 23.4 x 15.7 x 17.8 in. / 594 x 398 x 452mm      NC-32PS02(4kW LPSU): 23.4 x 15.7 x 15.5 in. / 594 x 398 x 394mm
Weight	NC3200S(Projector head): 213.8 lbs. / 97 kg      Excluding lens and lamp bulb. NC-32PS01(7kW LPSU): 114.7 lbs. / 52 kg      NC-32PS02(4kW LPSU): 90.4 lbs. / 41 kg

LPSU stands for Lamp Power Supply Unit      \* Color-corrected / center lumens      \*\* Subject to installation conditions. Maximum screen size is under the conditions of 14-ft-L @ screen gain 1.8



DLP Cinema® Technology  
2009 Academy Scientific and Engineering Award for Color Accuracy  
Recipients of the 2009 Academy Plaque are D.Scott Dewald,  
Greg Pettitt, Brad Walker and Bill Werner.

**NEC Display Solutions, Ltd.**

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