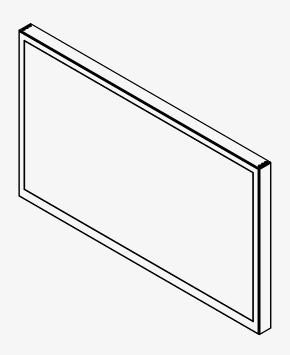
WAVE II, 27" MONITOR



SUMMARY							
ID	30047	NORTH INVENT PART NO	WE270 000 135 (Use for ordering)				
COMPANY NAME	North Invent Norway	NORTH INVENT TYPE NO	WE270-01.MON.02-0135				
VAT	987884002VAT	DRAWING REFERENCE	WE270 000 135 DRW				
ADDRESS	Sørhauggata 128						
	5527 Haugesund						
	NORWAY						

REVISION HISTORY							
APPROVED	CHECKED	DRAWN	STATUS	DESCRIPTION			
2019.02.01	2019.02.01	2018.10.23	Issued for	General Update			
OKJ	OKJ	RNO	Use				
2018.10.23	2018.10.23	2018.10.23	Issued for	First Revision			
RNO	RNO	RNO	Customer Review				
2018.10.10	2018.10.10	2018.10.05	Issued for	Issued for Use			
OKJ	OKJ	RNO	Review				
2018.10.05	2018.10.05	2018.10.05	Issued for Customer	First Revision			
RNO	RNO	RNO	Review				

2018022201 2019.01.18-B1-Packing Information Added

NORTH INVENT

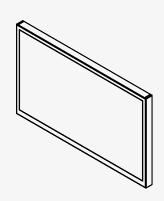
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WAVE II, 27" MONITOR

The Wave II Monitors are a series of well-designed, rugged LED displays with full glass front and PCAP multitouch option.

The minimized outer measurements and modular design offer unprecedented configuration and mounting flexibility. Our unique hinge design ensures that table-top or ceiling mounting is equally easy and visually appealing as flush mounting the glass front into a cut-out.

All our monitors are provided with either AC, DC or AC/DC Multipower, whereas our proprietary controllerboard offer extended functionality and connectivity options.



TECHNICAL SPECIFICATIONS WE270 000 135

MATCHING STANDARDS

IEC 60945, IEC 61174 (ECDIS), IEC 60936 (Radar), IEC 62.288 (Navigation), IEC 62.388 (Radar), IEC 60529 (IP), IACS E10, EMC Directive-2014/30/EU, RoHS, REACH

DISPLAY SIZE 27,0" - 685.8 mm, Active area 597.6 (W) X 336.15 (H) mm OVERALL DIMENSIONS 631 (W) x 377.6 (H) x 78 (D) mm NET / GROSS WEIGHT 8.5 / 11.6 kg RESOLUTION Max 1920 x 1080 pixels (Full HD) RESPONSE TIME 12 ms CONTRAST RATIO 3000:1 (fyp) DOT PITCH 0.31125 (H) x 0.31125 (V) mm LIGHT INTENSITY 350 cd/m2 (fyp) NUMBERS OF COLOURS 16.7 Millions depending on graphics card VIEWING ANGLE ±89° CONTROL KNOBS NO (Controllable by standard mouse interface) SUPPLY VOLTAGE 90-264 VAC (IEC Inlet) and 18-36 VDC (DFK-MSTB 2.5/ 3-GF-5,08) POWER CONSUMPTION Approx. 22W COLOUR RAL 9005 Fine Structure ENCLOSURE PROTECTION IP 42 (From Front) GLASS TYPE 3mm Tempered, Anti Reflective Conturan@ INPUT/ CONTROL INPUT 2x DVH (Analogue AND Digital), DVI OUT, 2x Display port, DDC/CI (DVI & DP), RS 422/485, 2x USB 2.0, Micro SD, USB Type B (Touch Only), 2x Ethernet, HMI (15p D-Sub Female), RS 232 (9p D-Sub Female) OPERATING / STORAGE TEMPERATURE -15/+55° C, -15/+70° C (+5/+131° F, +5/+158° F) BACKLIGHT LIFE Typ 50.000 Hours D				
NET / GROSS WEIGHT 8.5 / 11.6 kg RESOLUTION Max 1920 x 1080 pixels (Full HD) RESPONSE TIME 12 ms CONTRAST RATIO 3000:1 (fyp) DOT PITCH 0.31125 (H) x 0.31125 (V) mm LIGHT INTENSITY 350 cd/m2 (fyp) NUMBERS OF COLOURS 16.7 Millions depending on graphics card VIEWING ANGLE ±89° CONTROL KNOBS NO (Controllable by standard mouse interface) SUPPLY VOLTAGE 90-264 VAC (IEC Inlet) and 18-36 VDC (DFK-MSTB 2.5/ 3-GF-5.08) POWER CONSUMPTION Approx. 22W COLOUR RAL 9005 Fine Structure ENCLOSURE PROTECTION IP 42 (From Front) GLASS TYPE 3mm Tempered, Anti Reflective Conturan@ INPUT/ CONTROL INPUT 2 x DVH (Analogue AND Digital), DVI OUT, 2 x Display port, DDC/CI (DVI & DP), RS 422/485, 2 x USB 2.0, Micro SD, USB Type B (Touch Only), 2 x Ethernet, HMI (15p D-Sub Female) OPERATING / STORAGE TEMPERATURE -15/+55° C, -15/+70° C (+5/+131° F, +5/+158° F) BACKLIGHT LIFE Typ 50.000 Hours DIMMING RANGE 0-100% INCLUDED ACCESSORIES NO TOUCH NO	DISPLAY SIZE	27,0" - 685.8 mm, Active area 597.6 (W) X 336.15 (H) mm		
RESOLUTION RESPONSE TIME CONTRAST RATIO DOT PITCH LIGHT INTENSITY NUMBERS OF COLOURS VIEWING ANGLE CONTROL KNOBS NO (Controllable by standard mouse interface) SUPPLY VOLTAGE POWER CONSUMPTION COLOUR RAL 9005 Fine Structure ENCLOSURE PROTECTION GLASS TYPE INPUT/ CONTROL INPUT DEFACTING / STORAGE TEMPERATURE DIMMING RANGE -15/+55° C, -15/+70° C (+5/+131° F, +5/+158° F) BACKLIGHT LIFE DIMMING RANGE 12 ms 14 ms 16 ms 17 ms 18	OVERALL DIMENSIONS	631 (W) x 377.6 (H) x 78 (D) mm		
RESPONSE TIME CONTRAST RATIO 3000:1 (typ) DOT PITCH 0.31125 (H) x 0.31125 (V) mm LIGHT INTENSITY 350 cd/m2 (typ) NUMBERS OF COLOURS 16,7 Millions depending on graphics card VIEWING ANGLE ±89° CONTROL KNOBS NO (Controllable by standard mouse interface) SUPPLY VOLTAGE 90-264 VAC (IEC Inlet) and 18-36 VDC (DFK-MSTB 2.5/ 3-GF-5.08) POWER CONSUMPTION Approx. 22W COLOUR RAL 9005 Fine Structure ENCLOSURE PROTECTION IP 42 (From Front) GLASS TYPE 3mm Tempered, Anti Reflective Conturan® INPUT/ CONTROL INPUT 2 x DVI-1 (Analogue AND Digital), DVI OUT, 2 x Display port, DDC/CI (DVI & DP), RS 422/485, 2 x USB 2.0, Micro SD, USB Type B (Touch Only), 2 x Ethernet, HMI (15p D-Sub Female) OPERATING / STORAGE TEMPERATURE -15/+55° C, -15/+70° C (+5/+131° F, +5/+158° F) BACKLIGHT LIFE DIMMING RANGE 0-100% INCLUDED ACCESSORIES NO TOUCH	NET / GROSS WEIGHT	8.5 / 11.6 kg		
CONTRAST RATIO DOT PITCH 0.31125 (H) x 0.31125 (V) mm LIGHT INTENSITY 350 cd/m2 (typ) NUMBERS OF COLOURS 16.7 Millions depending on graphics card VIEWING ANGLE ±89° CONTROL KNOBS NO (Controllable by standard mouse interface) SUPPLY VOLTAGE 90-264 VAC (IEC Inlet) and 18-36 VDC (DFK-MSTB 2,5/3-GF-5,08) POWER CONSUMPTION Approx. 22W COLOUR RAL 9005 Fine Structure ENCLOSURE PROTECTION IP 42 (From Front) GLASS TYPE INPUT/ CONTROL INPUT 2 x DVI-I (Analogue AND Digital), DVI OUT, 2 x Display port, DDC/CI (DVI & DP), RS 422/485, 2 x USB 2.0, Micro SD, USB Type B (Touch Only), 2 x Ethernet, HMI (15p D-Sub Female) OPERATING / STORAGE TEMPERATURE -15/+55° C, -15/+70° C (+5/+131° F, +5/+158° F) BACKLIGHT LIFE DIMMING RANGE INCLUDED ACCESSORIES NO TOUCH	RESOLUTION	Max 1920 x 1080 pixels (Full HD)		
DOT PITCH LIGHT INTENSITY 350 cd/m2 (typ) NUMBERS OF COLOURS 16,7 Millions depending on graphics card VIEWING ANGLE ±89° CONTROL KNOBS NO (Controllable by standard mouse interface) SUPPLY VOLTAGE POWER CONSUMPTION Approx. 22W COLOUR ENCLOSURE PROTECTION IP 42 (From Front) GLASS TYPE INPUT/ CONTROL INPUT 2 x DVI-I (Analogue AND Digital), DVI OUT, 2 x Display port, DDC/CI (DVI & DP), RS 422/485, 2 x USB 2.0, Micro SD, USB Type B (Touch Only), 2 x Ethernet, HMI (15p D-Sub Female), RS 232 (9p D-Sub Female) OPERATING / STORAGE TEMPERATURE DIMMING RANGE INCLUDED ACCESSORIES NO TOUCH 16,7 Millions depending on graphics card 16,7 Millions depending on graphics card 189° 16,7 Millions depending on graphics card 189° NO (Controllable by standard mouse interface) 18-67 SUPL STORAGE TEMPERSTOR 189° 180°	RESPONSE TIME	12 ms		
LIGHT INTENSITY NUMBERS OF COLOURS 16.7 Millions depending on graphics card VIEWING ANGLE ±89° CONTROL KNOBS NO (Controllable by standard mouse interface) SUPPLY VOLTAGE 90-264 VAC (IEC Inlet) and 18-36 VDC (DFK-MSTB 2.5/ 3-GF-5,08) POWER CONSUMPTION Approx. 22W COLOUR ENCLOSURE PROTECTION IP 42 (From Front) GLASS TYPE 3mm Tempered, Anti Reflective Conturan@ INPUT/ CONTROL INPUT 2 x DVI-I (Analogue AND Digital), DVI OUT, 2 x Display port, DDC/CI (DVI & DP), RS 422/485, 2 x USB 2.0, Micro SD, USB Type B (Touch Only), 2 x Ethernet, HMI (15p D-Sub Female) OPERATING / STORAGE TEMPERATURE -15/+55° C, -15/+70° C (+5/+131° F, +5/+158° F) BACKLIGHT LIFE DIMMING RANGE INCLUDED ACCESSORIES NO TOUCH	CONTRAST RATIO	3000:1 (typ)		
NUMBERS OF COLOURS 16,7 Millions depending on graphics card VIEWING ANGLE £89° CONTROL KNOBS NO (Controllable by standard mouse interface) SUPPLY VOLTAGE 90-264 VAC (IEC Inlet) and 18-36 VDC (DFK-MSTB 2,5/ 3-GF-5,08) POWER CONSUMPTION Approx. 22W COLOUR RAL 9005 Fine Structure ENCLOSURE PROTECTION IP 42 (From Front) GLASS TYPE 3mm Tempered, Anti Reflective Conturan@ INPUT/ CONTROL INPUT 2 x DVI-I (Analogue AND Digital), DVI OUT, 2 x Display port, DDC/CI (DVI & DP), RS 422/485, 2 x USB 2.0, Micro SD, USB Type B (Touch Only), 2 x Ethernet, HMI (15p D-Sub Female) OPERATING / STORAGE TEMPERATURE -15/+55° C, -15/+70° C (+5/+131° F, +5/+158° F) BACKLIGHT LIFE DIMMING RANGE INCLUDED ACCESSORIES NO TOUCH	DOT PITCH	0.31125 (H) x 0.31125 (V) mm		
VIEWING ANGLE CONTROL KNOBS NO (Controllable by standard mouse interface) SUPPLY VOLTAGE 90-264 VAC (IEC Inlet) and 18-36 VDC (DFK-MSTB 2,5/ 3-GF-5,08) POWER CONSUMPTION Approx. 22W COLOUR RAL 9005 Fine Structure ENCLOSURE PROTECTION IP 42 (From Front) GLASS TYPE INPUT/ CONTROL INPUT 2 x DVI-I (Analogue AND Digital), DVI OUT, 2 x Display port, DDC/CI (DVI & DP), RS 422/485, 2 x USB 2.0, Micro SD, USB Type B (Touch Only), 2 x Ethernet, HMI (15p D-Sub Female), RS 232 (9p D-Sub Female) OPERATING / STORAGE TEMPERATURE -15/+55° C, -15/+70° C (+5/+131° F, +5/+158° F) BACKLIGHT LIFE DIMMING RANGE INCLUDED ACCESSORIES NO TOUCH	LIGHT INTENSITY	350 cd/m2 (typ)		
CONTROL KNOBS NO (Controllable by standard mouse interface) SUPPLY VOLTAGE 90-264 VAC (IEC Inlet) and 18-36 VDC (DFK-MSTB 2,5/ 3-GF-5,08) POWER CONSUMPTION Approx. 22W COLOUR RAL 9005 Fine Structure ENCLOSURE PROTECTION IP 42 (From Front) GLASS TYPE 3mm Tempered, Anti Reflective Conturan@ INPUT/ CONTROL INPUT 2 x DVI-I (Analogue AND Digital), DVI OUT, 2 x Display port, DDC/CI (DVI & DP), RS 422/485, 2 x USB 2.0, Micro SD, USB Type B (Touch Only), 2 x Ethernet, HMI (15p D-Sub Female), RS 232 (9p D-Sub Female) OPERATING / STORAGE TEMPERATURE -15/+55° C, -15/+70° C (+5/+131° F, +5/+158° F) BACKLIGHT LIFE DIMMING RANGE INCLUDED ACCESSORIES NO NO	NUMBERS OF COLOURS	16,7 Millions depending on graphics card		
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POWER CONSUMPTION Approx. 22W COLOUR RAL 9005 Fine Structure ENCLOSURE PROTECTION IP 42 (From Front) GLASS TYPE 3mm Tempered, Anti Reflective Conturan@ INPUT/ CONTROL INPUT 2 x DVI-I (Analogue AND Digital), DVI OUT, 2 x Display port, DDC/CI (DVI & DP), RS 422/485, 2 x USB 2.0, Micro SD, USB Type B (Touch Only), 2 x Ethernet, HMI (15p D-Sub Female), RS 232 (9p D-Sub Female) OPERATING / STORAGE TEMPERATURE -15/+55° C, -15/+70° C (+5/+131° F, +5/+158° F) BACKLIGHT LIFE Typ 50.000 Hours DIMMING RANGE INCLUDED ACCESSORIES NO TOUCH NO	CONTROL KNOBS	NO (Controllable by standard mouse interface)		
COLOUR ENCLOSURE PROTECTION IP 42 (From Front) GLASS TYPE 3mm Tempered, Anti Reflective Conturan@ INPUT/ CONTROL INPUT 2 x DVI-I (Analogue AND Digital), DVI OUT, 2 x Display port, DDC/CI (DVI & DP), RS 422/485, 2 x USB 2.0, Micro SD, USB Type B (Touch Only), 2 x Ethernet, HMI (15p D-Sub Female), RS 232 (9p D-Sub Female) OPERATING / STORAGE TEMPERATURE -15/+55° C, -15/+70° C (+5/+131° F, +5/+158° F) BACKLIGHT LIFE Typ 50.000 Hours DIMMING RANGE INCLUDED ACCESSORIES NO NO	SUPPLY VOLTAGE	90-264 VAC (IEC Inlet) and 18-36 VDC (DFK-MSTB 2,5/ 3-GF-5,08)		
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GLASS TYPE INPUT/ CONTROL INPUT 2 x DVI-I (Analogue AND Digital), DVI OUT, 2 x Display port, DDC/CI (DVI & DP), RS 422/485, 2 x USB 2.0, Micro SD, USB Type B (Touch Only), 2 x Ethernet, HMI (15p D-Sub Female), RS 232 (9p D-Sub Female) OPERATING / STORAGE TEMPERATURE -15/+55° C, -15/+70° C (+5/+131° F, +5/+158° F) BACKLIGHT LIFE Typ 50.000 Hours DIMMING RANGE INCLUDED ACCESSORIES NO NO	COLOUR	RAL 9005 Fine Structure		
INPUT/ CONTROL INPUT 2 x DVI-I (Analogue AND Digital), DVI OUT, 2 x Display port, DDC/CI (DVI & DP), RS 422/485, 2 x USB 2.0, Micro SD, USB Type B (Touch Only), 2 x Ethernet, HMI (15p D-Sub Female), RS 232 (9p D-Sub Female) OPERATING / STORAGE TEMPERATURE -15/+55° C, -15/+70° C (+5/+131° F, +5/+158° F) BACKLIGHT LIFE Typ 50.000 Hours DIMMING RANGE INCLUDED ACCESSORIES NO NO	ENCLOSURE PROTECTION	IP 42 (From Front)		
DP), RS 422/485, 2 x USB 2.0, Micro SD, USB Type B (Touch Only), 2 x Ethernet, HMI (15p D-Sub Female), RS 232 (9p D-Sub Female) OPERATING / STORAGE TEMPERATURE -15/+55° C, -15/+70° C (+5/+131° F, +5/+158° F) BACKLIGHT LIFE Typ 50.000 Hours DIMMING RANGE INCLUDED ACCESSORIES NO NO	GLASS TYPE	3mm Tempered, Anti Reflective Conturan@		
BACKLIGHT LIFE Typ 50.000 Hours DIMMING RANGE 0-100% INCLUDED ACCESSORIES NO TOUCH NO	INPUT/ CONTROL INPUT	DP), RS 422/485, 2 x USB 2.0, Micro SD, USB Type B (Touch Only), 2 x Ethernet,		
DIMMING RANGE 0-100% INCLUDED ACCESSORIES NO NO	OPERATING / STORAGE TEMPERATURE	-15/+55° C, -15/+70° C (+5/+131° F, +5/+158° F)		
INCLUDED ACCESSORIES NO TOUCH NO	BACKLIGHT LIFE	Typ 50.000 Hours		
TOUCH NO	DIMMING RANGE	0-100%		
	INCLUDED ACCESSORIES	NO		
	тоисн	NO		
ADDITIONAL FEATURE Onboard iMX6 CPU	ADDITIONAL FEATURE	Onboard iMX6 CPU		

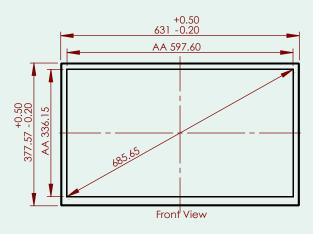
2018101001 2019.01.18-B1-Packing Information Added

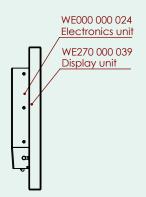


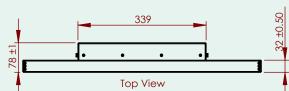
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WAVE II, 27" MONITOR

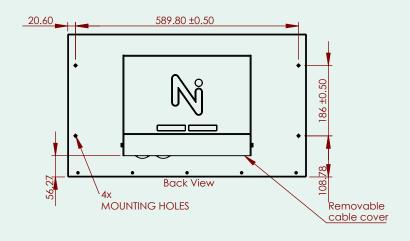
TECHNICAL SPECIFICATIONS WE270 000 135











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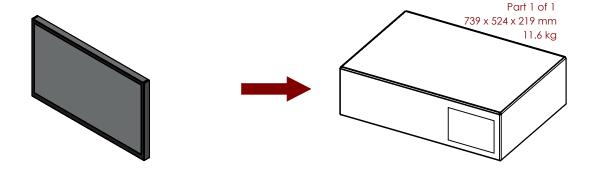
NORTH INVENT

WAVE II, 27" MONITOR

TECHNICAL SPECIFICATIONS WE270 000 135

Included in Part 1 of 1

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	WE999 000 126	1.8m, AC Power Cable	1
2	WE999 000 128	1.8m, Display Port Cable	1



2018021702 2019.01.18-B1-Packing Information Added



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