

Netpix Graphics Controller Series Specifications and Possibilities



		NPX-2900L G1.0	NPX-3000L	NPX-3000	NPX-3800	NPX-3800XE G2.0	NPX-4800L-G1.0	NPX-4800-G1.0	
INPUTS	Composite Video	max. No. of Inputs	4	16	80	240, 176 tested	24	128	
		Inputs per Board	4	8	16	16	8	8	
		Real-time (Yes/No)	Yes (25/50frames)	Yes (25/50frames)	Yes (25/50frames)	Yes (25/50frames)	Yes (25/50frames)	Yes (25/50frames)	
	S-Video	max. Video Windows per Output	4	16	32	32	40	40	
		max. No. of Inputs	4	16	80	240, 176 tested	24	128	
		Inputs per Board	4	8	16	16	8	8	
	RGB	Real-time (Yes/No)	Yes	Yes	Yes	Yes	Yes	Yes	
		max. Video Windows per Output	4	16	32	32	40	40	
		max. No. of Inputs	1	8	20	60, 20 tested	6	40	
	DVI	Inputs per Board	1	4	4	4	2	2	
		Real-time (Yes/No)	Yes	Yes	Yes	Yes	Yes	Yes	
		max. RGB Windows per Output	1	4	4	4	8	8	
max. Resolution		1280x1024	1280x1024	1920x1200	1920x1200	1920x1200	1920x1200		
max. No. of Inputs				20	60, 20 tested	6	40		
Inputs per Board				4	4	2	2		
STREAMING VIDEO	Inputs	max. No. of Inputs per Board		2x 10/100/1000MBit	2x 10/100/1000MBit	2x 10/100/1000MBit	1x 10/100/1000MBit	1x 10/100/1000MBit	
		Decoders per Board		2x mega pixel, 8xD1, 32xCIF	2x mega pixel, 8xD1, 32xCIF	2x mega pixel, 8xD1, 32xCIF	2x HD, 8xD1	2x HD, 8xD1	
		max. Decoders per System		2, with expansions 4	2, with expansions 10	6, with expansions 30	3	16	
	Processing	max. Stream Windows per Output		16	16	16	16	16	
		max. Resolution		up to megapixel	up to megapixel	up to megapixel	1920x1080	1920x1080	
		Decoding Formats		MPEG2, MPEG-4 ISO/IEC 14496-2, Mobotix MxPEG, Siemens Sistrore CX, Bosch MPEG-4, H264 ASP, Dallmeier DIS and many more	MPEG2, MPEG-4 ISO/IEC 14496-2, Mobotix MxPEG, Siemens Sistrore CX, Bosch MPEG-4, H264 ASP, Dallmeier DIS and many more	MPEG2, MPEG-4 ISO/IEC 14496-2, Mobotix MxPEG, Siemens Sistrore CX, Bosch MPEG-4, H264 ASP, Dallmeier DIS and many more	MPEG2, MPEG-4 ISO/IEC 14496-2, Mobotix MxPEG, Siemens Sistrore CX, Bosch MPEG-4, H264 ASP, Dallmeier DIS and many more	MPEG2, MPEG-4 ISO/IEC 14496-2, Mobotix MxPEG, Siemens Sistrore CX, Bosch MPEG-4, H264 ASP, Dallmeier DIS and many more	
Real-time (Yes/No)		Yes (25/30frames)	Yes (25/50frames)	Yes (25/50frames)	Yes (25/50frames)	Yes (25/50frames)			
OUTPUTS	RGB	Yes/No	Yes	Yes	Yes	Yes	Yes	Yes	
		max. Resolution	1400x1050	1400x1050	1400x1050	1920x1200, Multiresolution currently only for special projects	1920x1200, Multiresolution currently only for special projects	4x1920x1200/ 2x2048x1536	4x1920x1200/ 2x2048x1536
		max. Outputs	16x	4x	16x	48 without HD, 24 HD (max resolution 32000 x 32000)	128 without HD, 64 HD (max resolution 32000 x 32000)	12x	40x
	DVI	Yes/No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		max. Resolution	1400x1050	1400x1050	1400x1050	1920x1200, Multiresolution currently only for special projects	1920x1200, Multiresolution currently only for special projects	1920x1200	1920x1200
		max. Outputs	16x	4x	16x	48 without HD, 24 HD (max resolution 32000 x 32000)	128 without HD, 64 HD (max resolution 32000 x 32000)	12x	40x / 20x
Color depth	8/16/32 Bit	8/16/32 Bit	8/16/32 Bit	8/16/32 Bit	8/16/32 Bit	8/16/32 Bit	8/16/32 Bit		
Graphics Memory each board	1/2/4/6/8/16 GB	1/2/4/6/8/16 GB	1/2/4/6/8/16 GB	non HD 512MB, HD 256MB	non HD 512MB, HD 256MB	512MB	512MB		
GENERAL	Card-Slots	No. of Card-Slots	6	6	6	6	7	7 optional 32 with exp.	
	Processor(s)	No. / Type / Clock	1x INTEL DUAL CORE XEON 3GHZ	1x INTEL QUAD CORE XEON 2,5 GHZ	1x INTEL QUAD CORE XEON 2,5 GHZ	1x INTEL XEON QUAD CORE E5420 2,5GHZ	2x Intel Xeon Quad-Core L5410 2,33 GHz	1x Intel® Xeon® Core 2 QUAD 2,13GHz	1x Intel® Xeon® Core 2 QUAD 2,13GHz
	Hard Disc(s)	No. / Size	1x 74GB	1x 74GB	1x 74GB	1x 74GB	2x 74GB	1x 150 GB	1x 150 GB
	Option Hard Disc(s)	No. / Size	74GB / 150GB	74GB / 150GB	74GB / 150GB	74GB / 150GB	74GB / 150GB	150GB / 300GB / 600GB	150GB / 300GB / 600GB
	Power Supply	No. / Performance	1x 865Watt	1x 865Watt	1x 865Watt	1x 865Watt	810W 4 times redundant (not 4x810W)	1x 865Watt	1x 865Watt
	OS		WIN XP 32Bit / WINXP64 Bit	WIN XP 32bit / WINXP64 Bit	WIN XP 32bit / WINXP64 Bit	WIN XP 32bit / WINXP64 Bit	WINXP64 Bit	WinXP 32-/64-bit Win7 32-/64-bit	WinXP 32-/64-bit Win7 32-/64-bit
	LAN standard	No. / Speed	2x 10/100/1000MBit	2x 10/100/1000MBit	2x 10/100/1000MBit	2x 10/100/1000MBit	2x 10/100/1000MBit	2x 10/100/1000MBit	2x 10/100/1000MBit
		Option LAN	No. / Speed	4x 10/100/1000MBit	4x 10/100/1000MBit	4x 10/100/1000MBit	4x 10/100/1000MBit	4x 10/100/1000MBit	4x 10/100/1000MBit
		Option Optical LAN	No. / Speed	2x 10/100/1000MBit	2x 10/100/1000MBit	2x 10/100/1000MBit	2x 10/100/1000MBit	up to 16 cards with 2x 10/100/1000MBit	2x 10/100/1000MBit
		Option Type	Type of	Copper / Fiberoptic	Copper / Fiberoptic	Copper / Fiberoptic	Copper / Fiberoptic	Copper / Fiberoptic	Copper / Fiberoptic
	DUAL Processor(s)	Option -R	2x INTEL XEON QUAD CORE 1,66GHz	2x INTEL XEON QUAD CORE E5420 2,5GHZ	2x INTEL XEON QUAD CORE E5420 2,5GHZ	2x INTEL XEON QUAD CORE E5420 2,5GHZ	2x Intel Xeon Quad-Core L5410 2,33 GHz	2x Intel® Xeon® Core 2 QUAD 2,13GHz	2x Intel® Xeon® Core 2 QUAD 2,13GHz
	RAID-1	Option -R	RAID1 / 2x 74GB	RAID1 / 2x 74GB	RAID1 / 2x 74GB	RAID1 / 2x 74GB	RAID1 / 2x 74GB	RAID1 / 2x 150GB	RAID1 / 2x 150GB
	Option Hard Disc(s)	No. / Size	74GB / 150GB	74GB / 150GB	74GB / 150GB	74GB / 150GB	74GB / 150GB	150GB / 300GB / 600GB	150GB / 300GB / 600GB
	System Memory	1 GB option: 2/4/6/8/16	1 GB option: 2/4/6/8/16	2 GB option: 4/6/8/16	2 GB option: 4/6/8/16	2 GB option: 4/6/8/16	2 GB option: 4/6/8/16	3 GB option: up to 32GB	3 GB option: up to 32GB
	Redundant Power Supply	Option -R	3x 760Watt	3x 760Watt	3x 760Watt	3x 760Watt	810W 4 times redundant 3+1 (not 4x810W)	2x 800Watt	2x 800Watt
Recommended Application		Medium Control Room, Security & Surveillance without Video & RGB/DVI Inputs.	Small Control Rooms, Security & Surveillance with standard Video and RGB Inputs	Medium Control Room, Security & Surveillance with Video, IP Video and RGB Inputs	High-end Control Room, Security & Surveillance with Video, IP Video and RGB/DVI Inputs	High-end Control Room, Security & Surveillance with a lot of Video, IP Video and RGB/DVI Inputs	Small Control Rooms, Security & Surveillance with standard Video and RGB Inputs	Medium Control Room, Security & Surveillance with Video, IP Video and RGB Inputs	
Ready for future expansions		Low	Low	Medium	High	Ultra	Small-Medium	Medium-High	