Graphic Liquid Crystal Display Modules

HITACHI

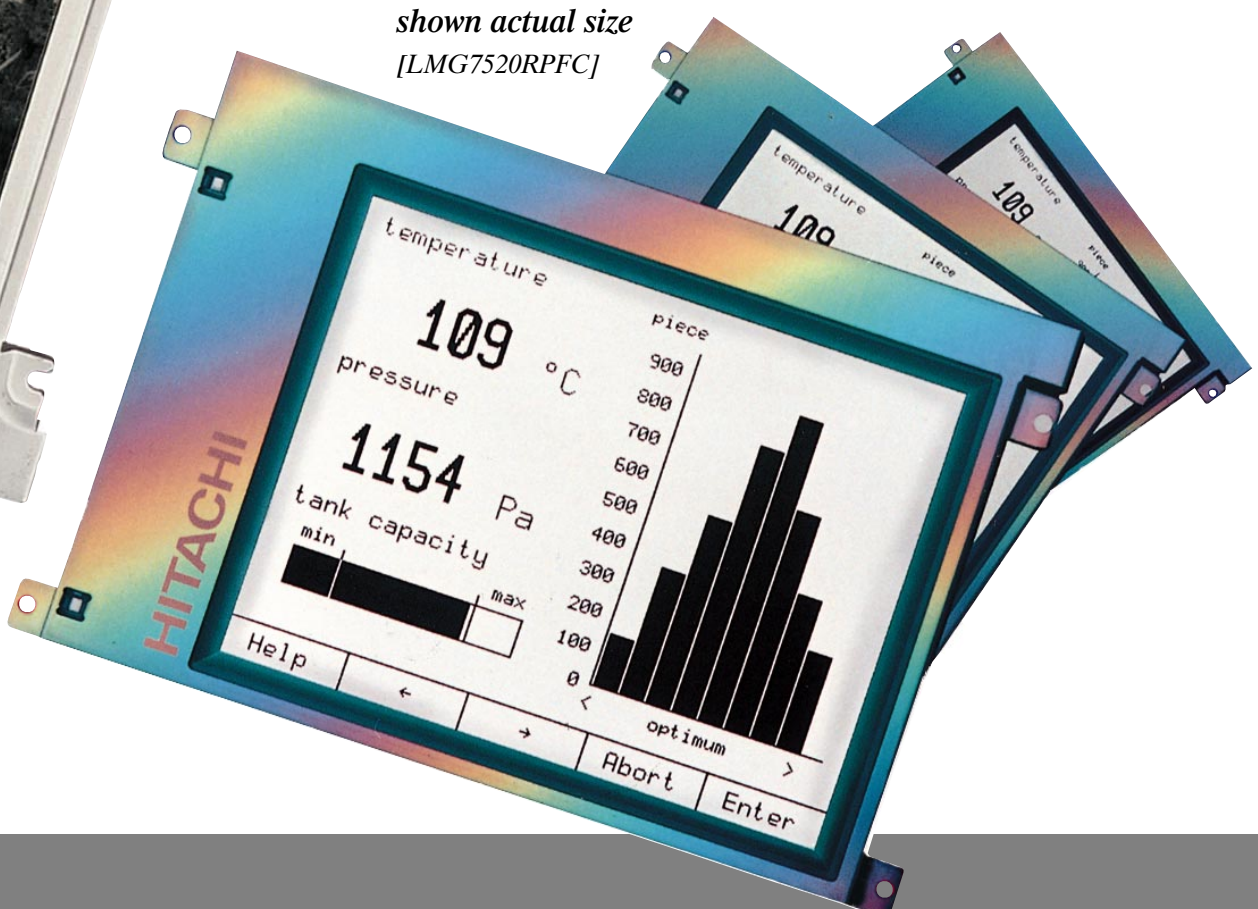
Leading-edge technology delivers excellent contrast, brightness, speed, wide viewing angle and an exceptionally compact profile

Full VGA display format
26cm [10.4 inches]
shown actual size
[LMG7550XUFC]

Life-size

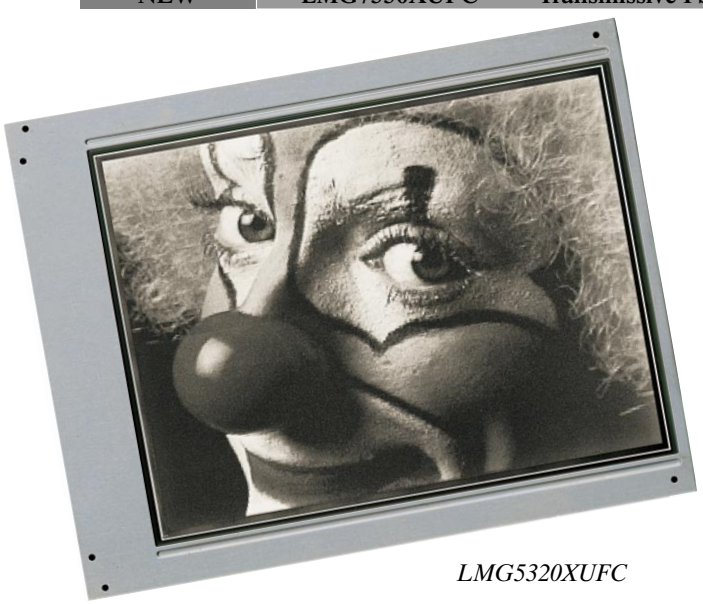
- *High brightness CFL and Film-STN for increased performance*
- *Slim & lightweight construction*
- *Low power consumption*

1/4 VGA display format
12cm [4.6 inches]
shown actual size
[LMG7520RPFC]



An extensive range

RESOLUTION	PART NAME	DISPLAY TYPE	DISPLAY COLOUR	BACKLIGHT TYPE	MODULE DIMENSIONS H*W* (mm)
256*64	LMG6380QHGR	Reflective STN	Blue on Grey	None	160*68*9
	LMG6381QHGE	Transflective STN	Blue on Grey	EL	160*68*9.5
	LMG6382QHFR	Reflective FSTN	Black on Grey	None	160*68*9
	LMG6391QHGE	Transflective STN	Blue on Grey	EL	160*68*9
NEW	LMG7380QHFC	Transmissive FSTN	Black on White	CFL	160*68*11
240*128	LMG6400PLGR	Reflective STN	Blue on Grey	None	159.4*101*9.5
	LMG6401PLGE	Transflective STN	Blue on Grey	EL	159.4*101*9.5
	LMG6402PLFR	Reflective STN	Black on Grey	None	159.4*101*9.5
	LMG6411PLGR	Transflective STN	Blue on Grey	None	159.4*101*9
	LMG7400PLFC	Transmissive FSTN	Black on White	CFL	159.4*101*11
	LMG7401PLBC	Transmissive STN	Blue on White	CFL	159.4*101*11
	LMG7402PLFF	Transflective FSTN	Black on Grey	CFL	159.4*101*11
	LMG7412PLFF	Transflective FSTN	Black on Grey	CFL	159.4*101*11
	LMG7420PLFC-X	Transmissive FSTN	Black on White	CFL	159.4*101*11
	LMG7421PLBC	Transmissive STN	Blue on White	CFL	159.4*101*11
	LMG7422PLFF	Transflective FSTN	Black on Grey	CFL	159.4*101*11
320*240	LMG6910RPGR	Reflective STN	Blue on Grey	None	160*109*11
	LMG6911RPBC-00T	Transmissive STN	Blue on White	CFL	167.1*109*11
NEW	LMG6912RPFC-00T	Transmissive FSTN	Black on White	CFL	167.1*109*11
NEW	LMG7520RPFC	Transmissive FSTN	Black on White	CFL	129.6*92.6*7.5
NEW	LMG9520RPCC-A	Transmissive STN	Colour	CFL	160*120*8.5
480*128	LMG6251ULGE	Transflective STN	Blue on Grey	EL	270*110*11.5
640*480	LMG5320XUFC	Transmissive FSTN	Black on White	CFL	205*143*6.5
	LMG5278XUFC-00T	Transmissive FSTN	Black on White	CFL	257.5*174*7
NEW	LMG7550XUFC	Transmissive FSTN	Black on White	CFL	264*183*8.5



LMG5320XUFC

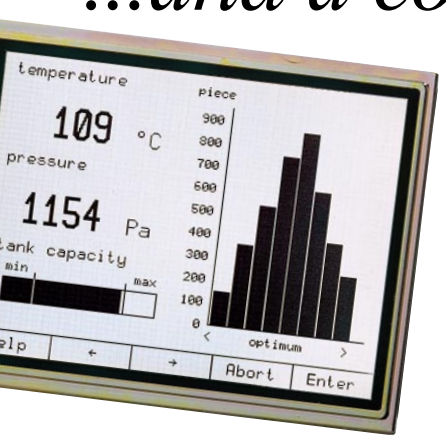
APPLICATIONS

- *Portable Equipment*
- *Feature Phones*
- *E.P.O.S.*
- *Instrumentation*
- *Security/Alarm Panels*
- *Office Automation*

# of graphic STN Modules

VIEWING AREA H*W (mm)	DOT SIZE H*W (mm) (O' CLOCK)	DOT PITCH H*W (mm)	DUTY RATIO	VIEWING DIRECTION	CONTROLLER (SUITABLE)	PART NAME
126.3*37.0	0.44*0.44	0.47*0.47	64	6	HD61830	LMG6380QHGR
126.3*37.0	0.44*0.44	0.47*0.47	64	6	HD61830	LMG6381QHGE
126.3*37.0	0.44*0.44	0.47*0.47	64	6	HD61830	LMG6382QHFR
126.3*37.0	0.44*0.44	0.47*0.47	64	6	(HD61830, T6963C)	LMG6391QHGE
124*34	0.44*0.44	0.47*0.47	64	6	T6963C	LMG7380QHFC
126*71	0.47*0.47	0.50*0.50	128	6	HD61830B	LMG6400PLGR
126*71	0.47*0.47	0.50*0.50	128	6	HD61830B	LMG6401PLGE
126*71	0.47*0.47	0.50*0.50	128	6	HD61830B	LMG6402PLFR
126*71	0.47*0.47	0.50*0.50	128	6	(HD61830B, T6963C)	LMG6411PLGR
126*71	0.47*0.47	0.50*0.50	128	6	HD61830B	LMG7400PLFC
126*71	0.47*0.47	0.50*0.50	128	6	HD61830B	LMG7401PLBC
126*71	0.47*0.47	0.50*0.50	128	6	HD61830B	LMG7402PLFF
126*71	0.47*0.47	0.50*0.50	128	6	(HD61830B)	LMG7412PLFF
126*71	0.47*0.47	0.50*0.50	128	6	T6963C	LMG7420PLFC-X
126*71	0.47*0.47	0.50*0.50	128	6	T6963C	LMG7421PLBC
126*71	0.47*0.47	0.50*0.50	128	6	T6963C	LMG7422PLFF
120*90	0.33*0.33	0.36*0.36	240	6	(4 Bit Type)	LMG6910RPGR
120*90	0.33*0.33	0.36*0.36	240	6	(4 Bit Type)	LMG6911RPBC-00T
120*90	0.33*0.33	0.36*0.36	240	6	4 Bit Type)	LMG6912RPFC-00T
100*75.5	0.285*0.285	0.30*0.30	240	6	(4 Bit Type)	LMG7520RPFC
120*90	0.11*(3)*0.34	0.12*(3)*0.36	240	6	(4 Bit Type)	LMG9520RPCC-A
242*69	0.45*0.45	0.48*0.48	128	6	(4 Bit Type)	LMG6251ULGE
151.2*114.4	0.21*0.21	0.23*0.23	242	12	(4 Bit Type Dual Scan)	LMG5320XUFC
200*152	0.27*0.27	0.30*0.30	242	12	(4 Bit Type Dual Scan)	LMG5278XUFC-00T
215.2*162.4	0.3*0.3	0.33*0.33	242	12	(4 Bit Type Dual Scan)	LMG7550XUFC

...and a colour version too!

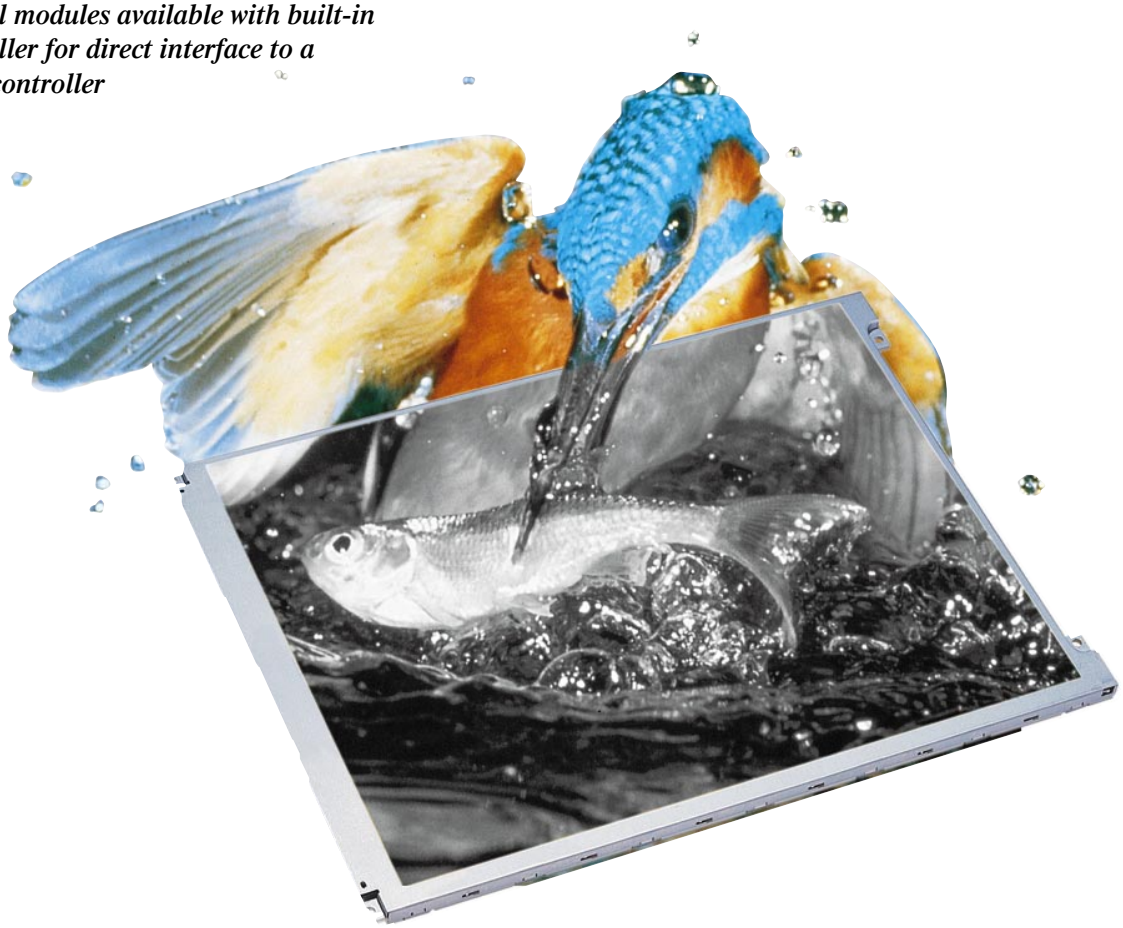


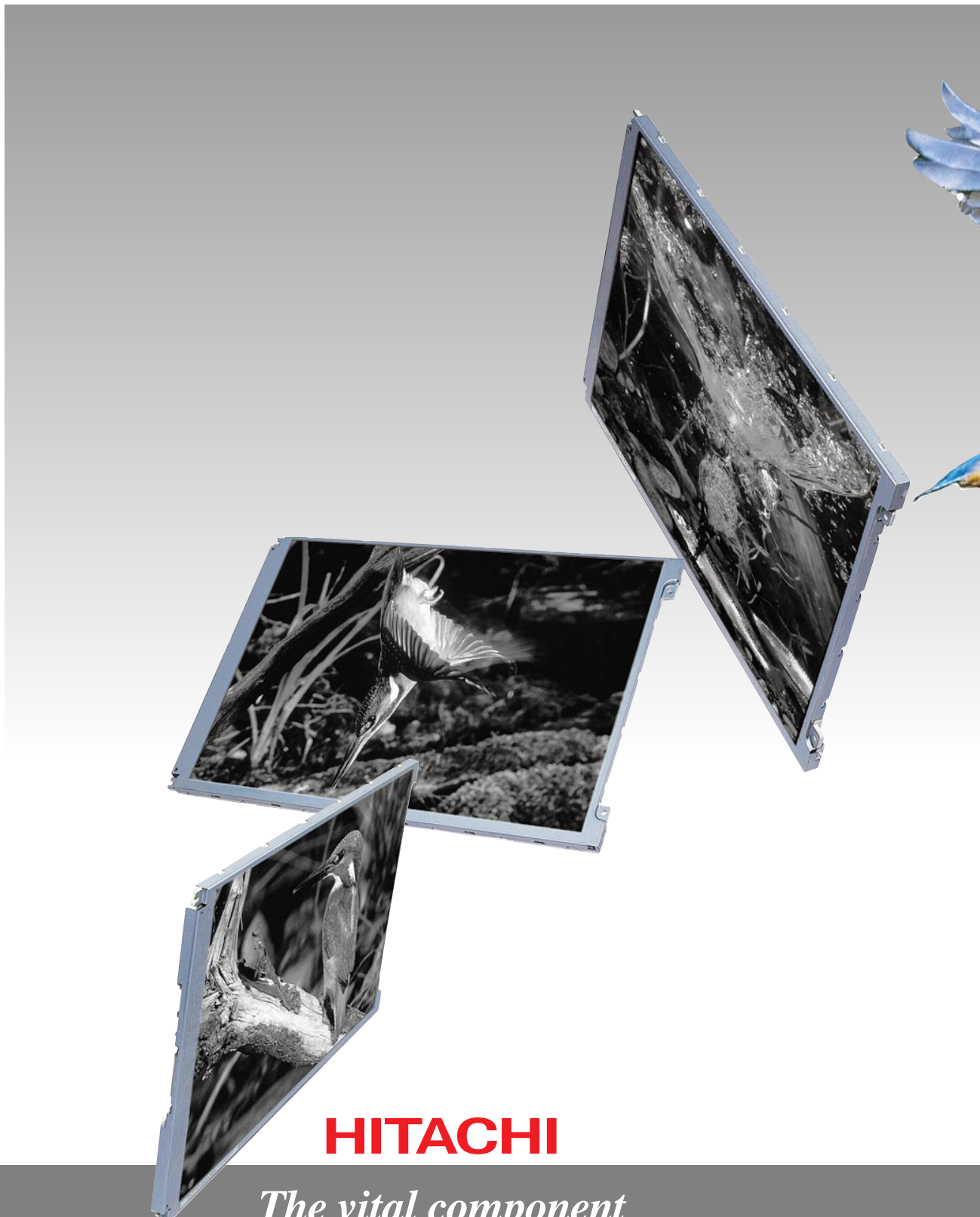
LMG6912RPFC-00T

LMG9520 RPCC-A

MAJOR BENEFITS

- *EXCELLENT CONTRAST*
  High contrast film black & white supporting multi grey level images
- *THIN, LIGHTWEIGHT DESIGN*
  Low profile CFL backlight and TCP structure for low thickness and weight
- *WIDE VIEWING ANGLE*
  Image is clearly visible over a wider range of viewing directions.
- *FAST RESPONSE TIME*
  High-speed response under 300ms capable of supporting animated graphics
- *EASY TO INTERFACE*
  Several modules available with built-in controller for direct interface to a microcontroller
- *HIGH BRIGHTNESS*
  Slim, high efficiency CFL lamp and lightguide
- *LONG LIFE BACKLIGHT*
  Due to the application of a Cold Cathode Fluorescent Lamp (CFL) the backlight has a longer life
- *SUPERB RELIABILITY*
  Backed by rigorous control procedures, life testing, environmental and mechanical tests.





HITACHI

The vital component