



*Graphic  
Liquid  
Crystal  
Display  
Modules*

**HITACHI**



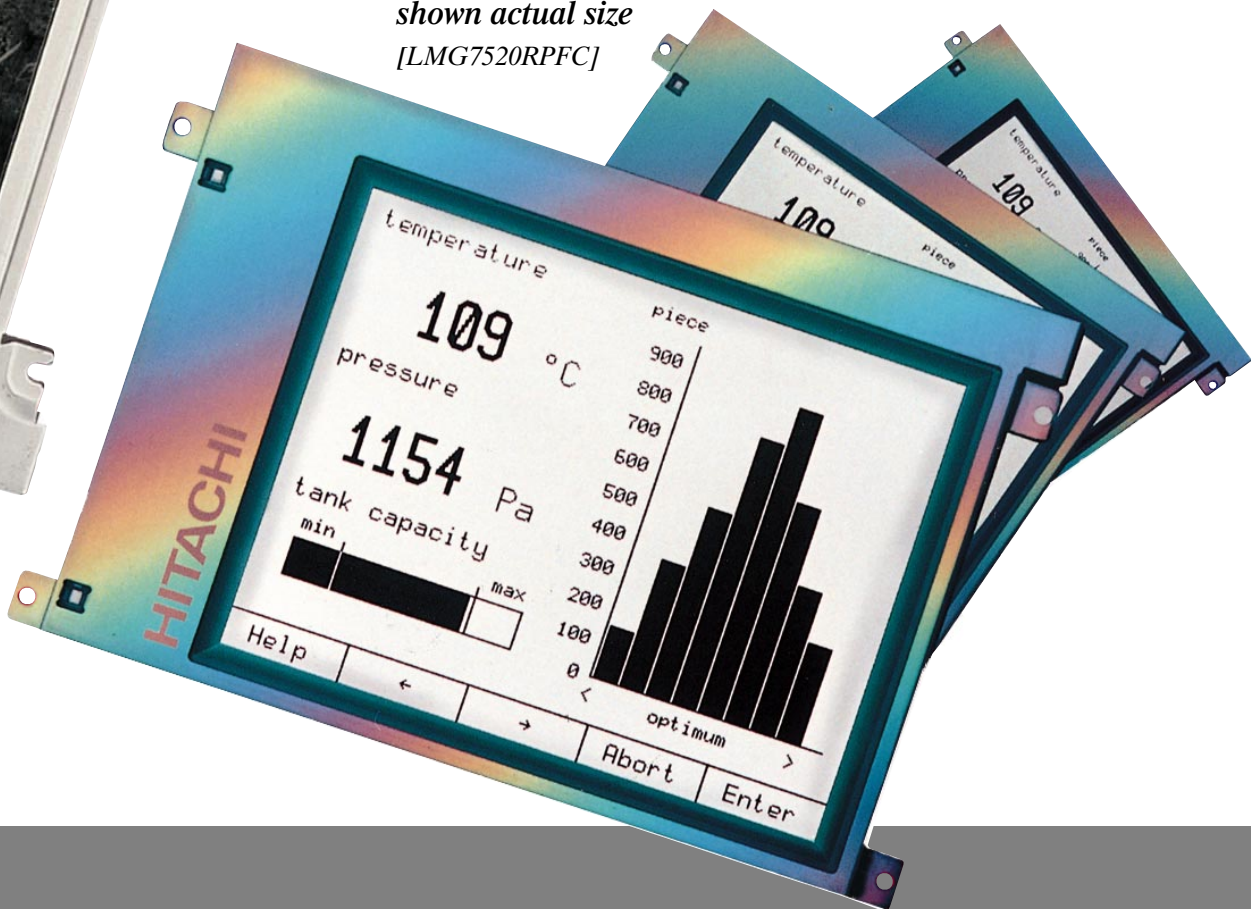
*Leading-edge technology delivers excellent contrast, brightness, speed, wide viewing angle and an exceptionally compact profile*

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]



# A *n 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
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

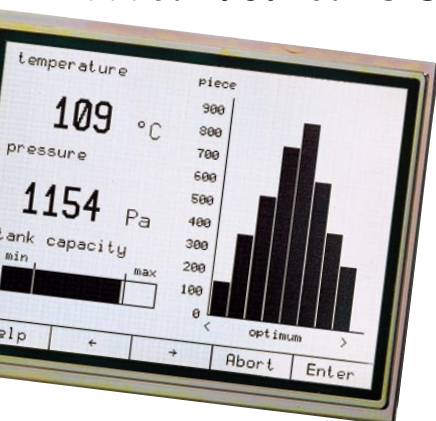
- *Portable Equipment*
- *Feature Phones*
- *E.P.O.S.*
- *Instrumentation*
- *Security/Alarm Panels*
- *Office Automation*



# 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!*



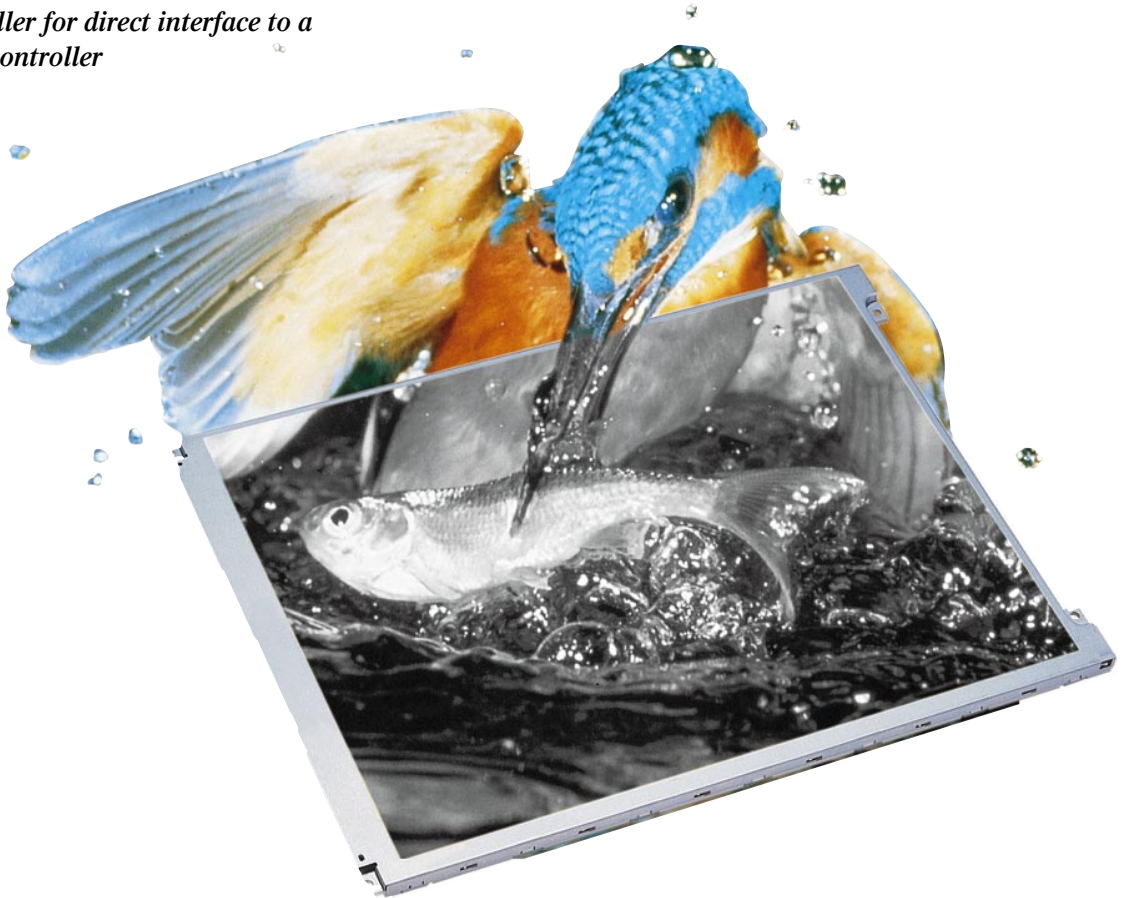
LMG6912RPFC-00T



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.*



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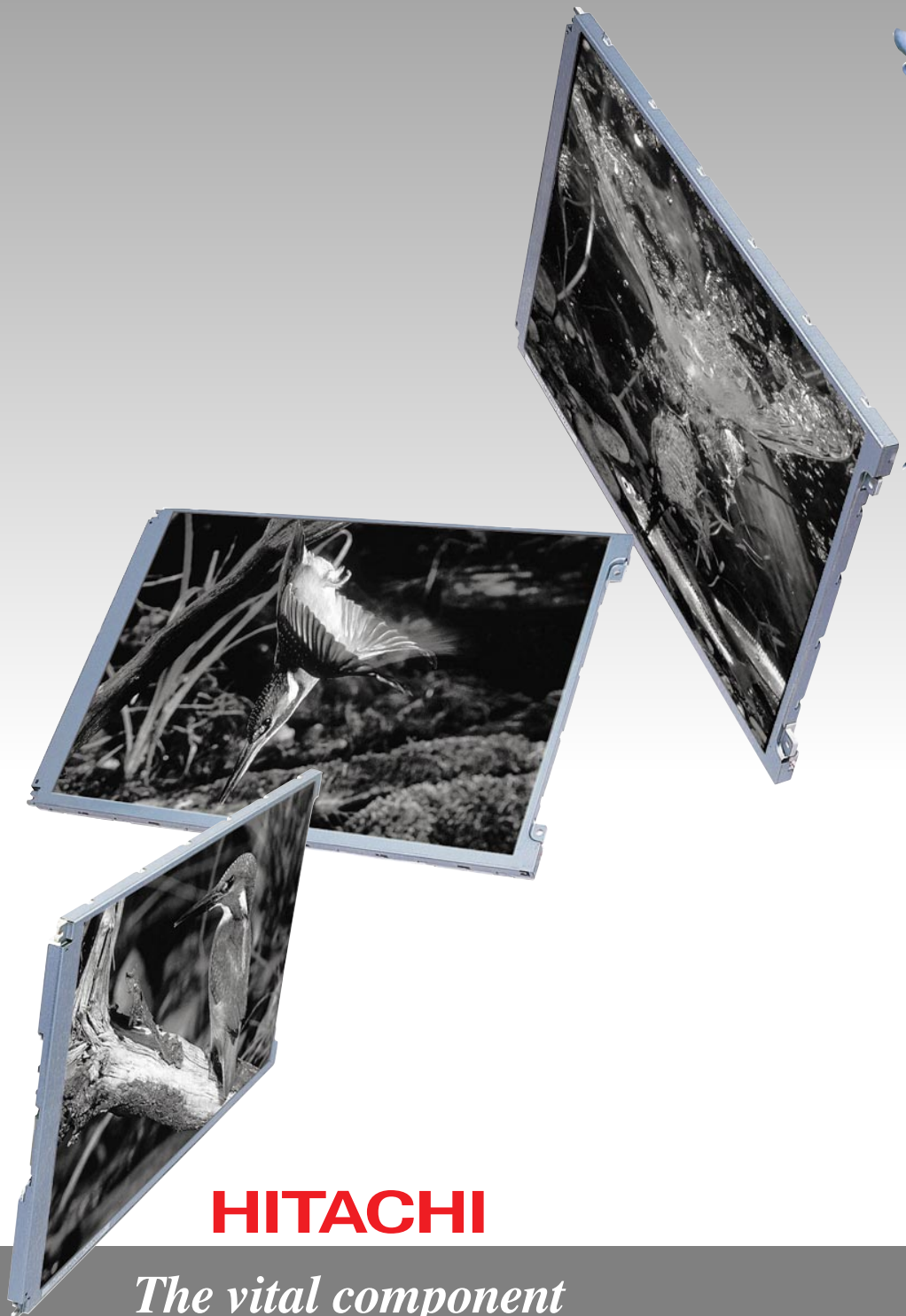
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*The vital component*