PAXCELL
Bridging Technologies

HANTRONIX

Leading the Industry Since 1979

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Overview

- Our Mission
- Company Introduction
- Products
- Technology & Applications
- Hantronix Strengths
- Our Customer Commitment

Our Mission

To deliver the best total value small and medium size LCD products and LCD solutions to our customers.

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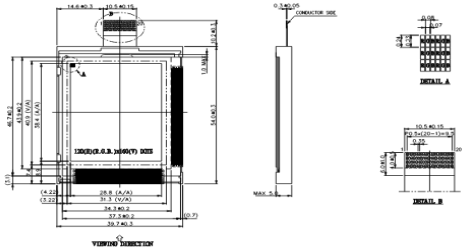
Company Introduction

- US based LCD supplier since 1979
- Headquarter in Cupertino, California
- Real Time Engineering Support from USA based FAE
- Value add facility & warehouse in California
- Asia facility for Far East support
- All manufacturing facilities certified ISO9001
- Nationwide network of representatives and distributors

Products

Full Custom LCD



CUSTOM GLASS

CHARACTER

GRAPHIC

TFT

COG COB

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Enhanced Monochrome LCD

Hantronix offers custom LCD solutions using leading edge monochrome technologies. Our display solutions include low-cost color, ultra high contrast, widest temp range, very low power consumption, and other sensible upgrade options for current TN/STN display users.

ASTN (Automotive STN)

- Negative mode, true black background, high contrast
- Operating temperature: -30˚C to +85˚C
- Recommended LED color: amber, orange, red, blue

FFSTN (Double Film Compensation STN)

- Negative mode, up to 1/240 multiplexing, wide viewing cone
- Operating temperture: -20˚C to +85˚C
- Recommended LED color: white, green, orange

Bi-Stable (Blue/Green/Black)

- Some Ideal Applications: Retail price/sale signage, Thermostats, Alarm panels
- Low Power Consumption: <10mW only when LCD is redrawn
- Wide Viewing Angles: 80 degree viewing angle (4 directions)
- High Contrast Ratio: 25:1
- Hantronix Standard Available: 132 x 64 (white/blue, green/black, yellow/black)

VA (Vertical Alignment)

- Negative mode, up to 1/32 multiplexing, ultra-high contrast up to 2500:1
- Operating temperature: -30˚C to +85˚C
- Less light leakage: crystals tile up horizontally
- Color film can be added for some color option
- Recommended LED color: white, red, amber

VA-FS (Vertical Alignment-Field Sequential Color)

- Addressable color segments
- RGB LED backlight
- Ultra high contrast up to 2500:1
- Excellent view angles in all directions
- Simple interface
- Lower cost alternative to TFT

VA without Polarizer (Vertical Alignment without Polarizer)

- High reliability due to polarizer-less design
- Extra Wide Temp Range: -20˚C to 90˚C (<99% RH)
- Ideal for utility meter type applications

Product 3.5” TFT

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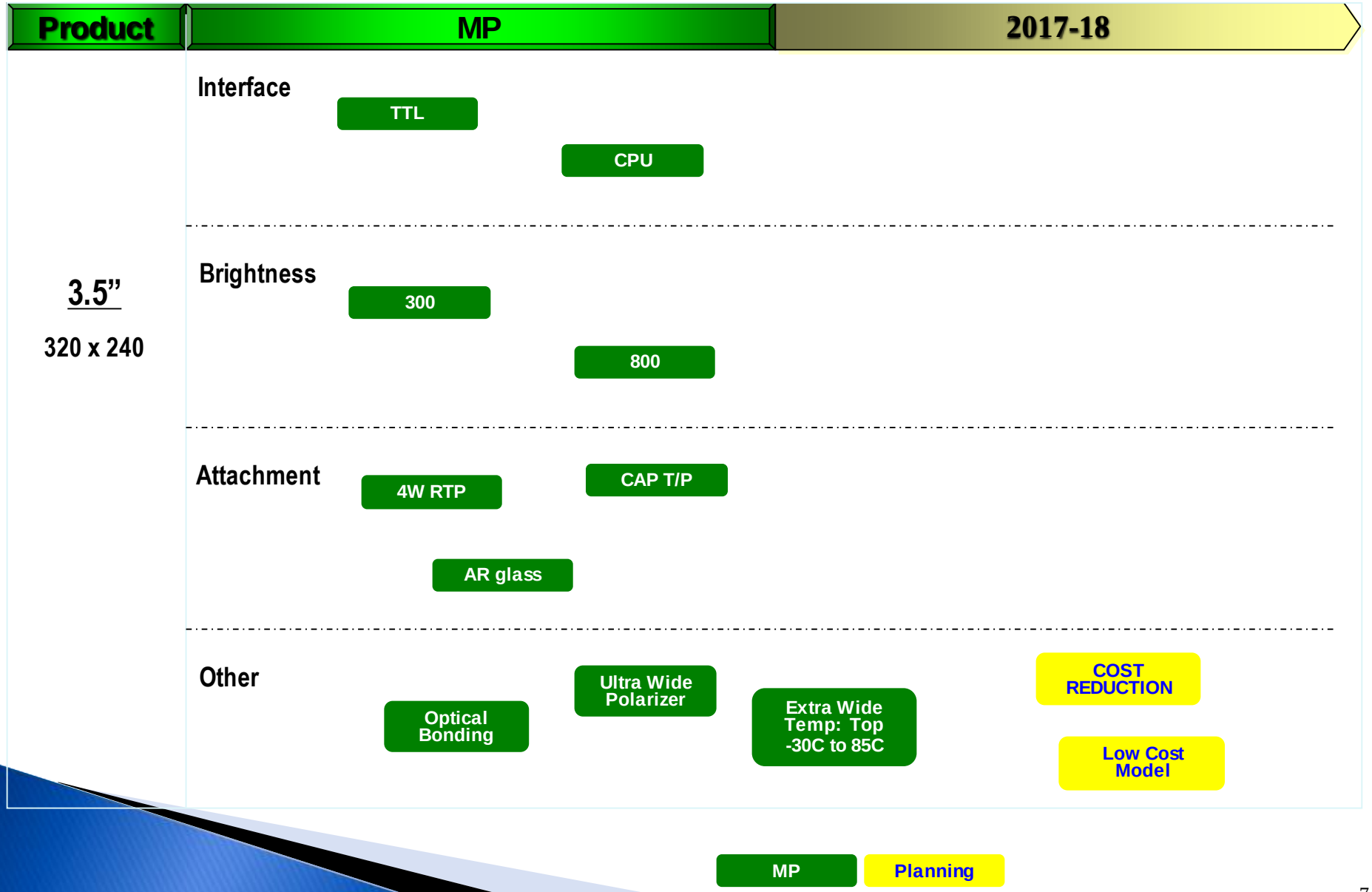

Product 4.3” TFT

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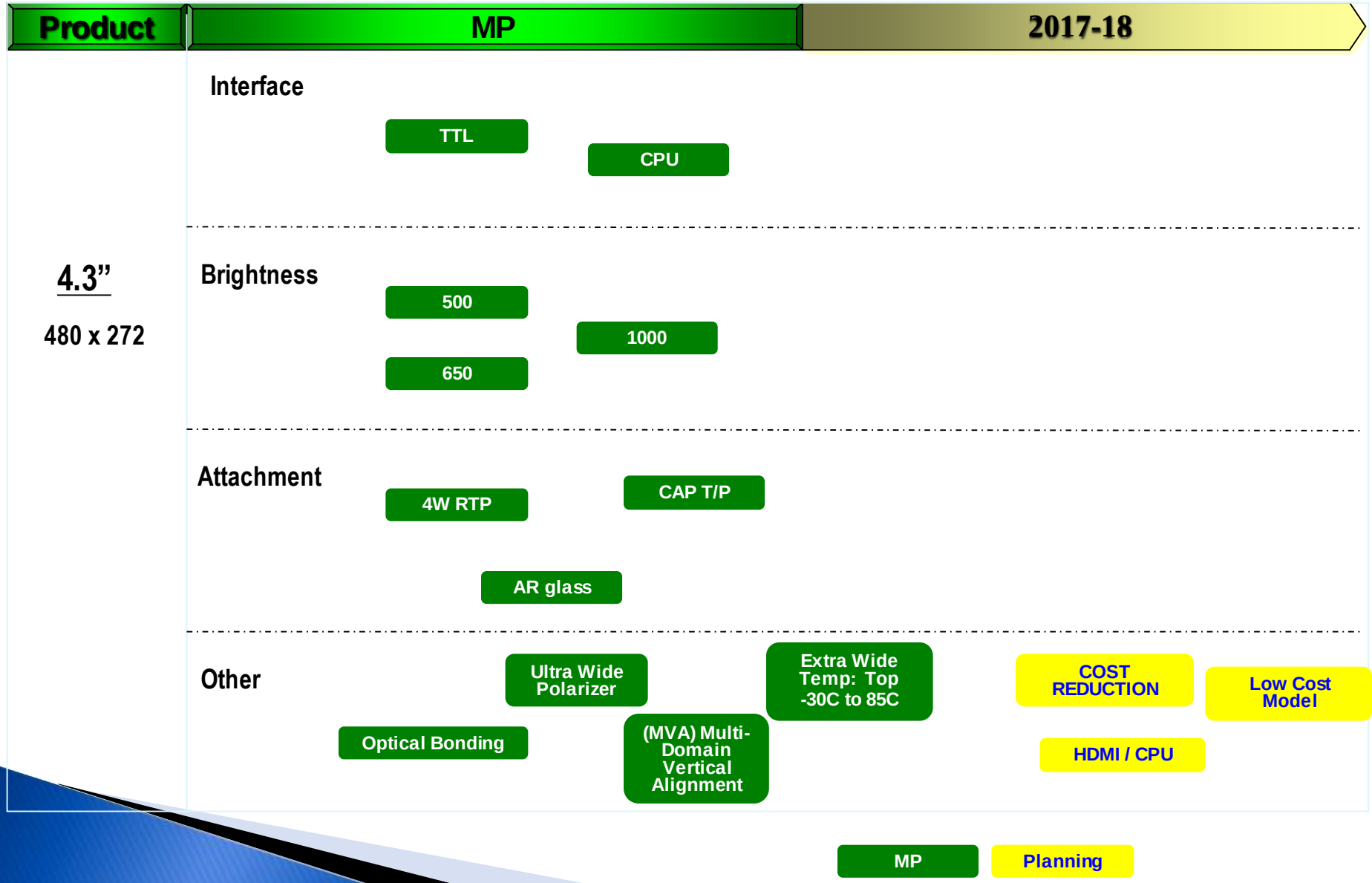

Product 4.3” WVGA TFT

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Product	MP	2017-18
4.3” 800x480 (WVGA)	Interface	MIPI
	Brightness	500 800
	Attachment	4W RTP CAP T/P
	Other	Optical Bonding

MP Planning

Product 5.0” TFT

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Product 5.7” QVGA TFT

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Product 5.7” VGA TFT

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Product 7.0” TFT

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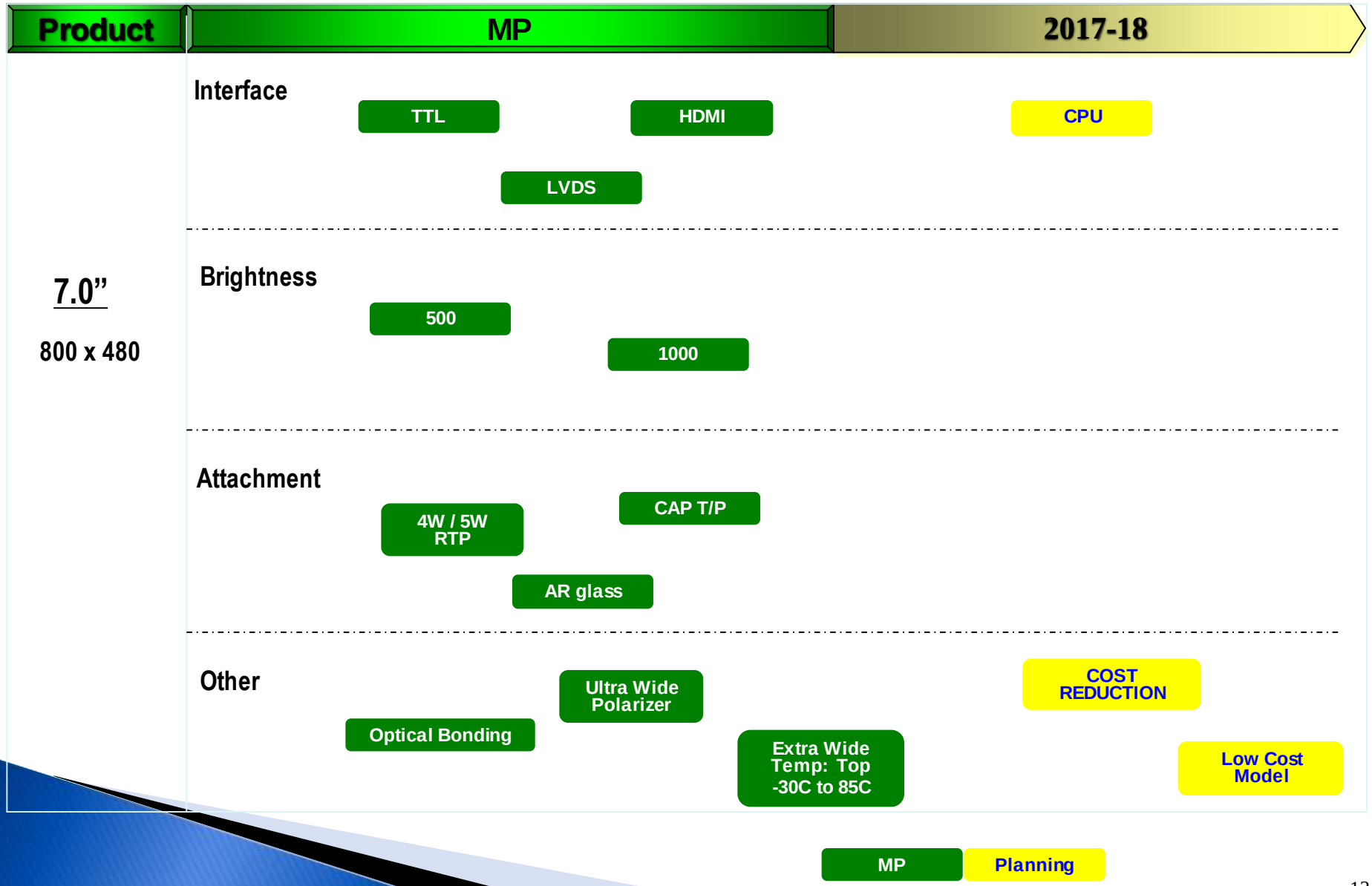

Product 7.0” TFT

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Product 8.0” TFT

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Product 10.1” TFT

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Product 10.4” TFT

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Product 12.1” TFT

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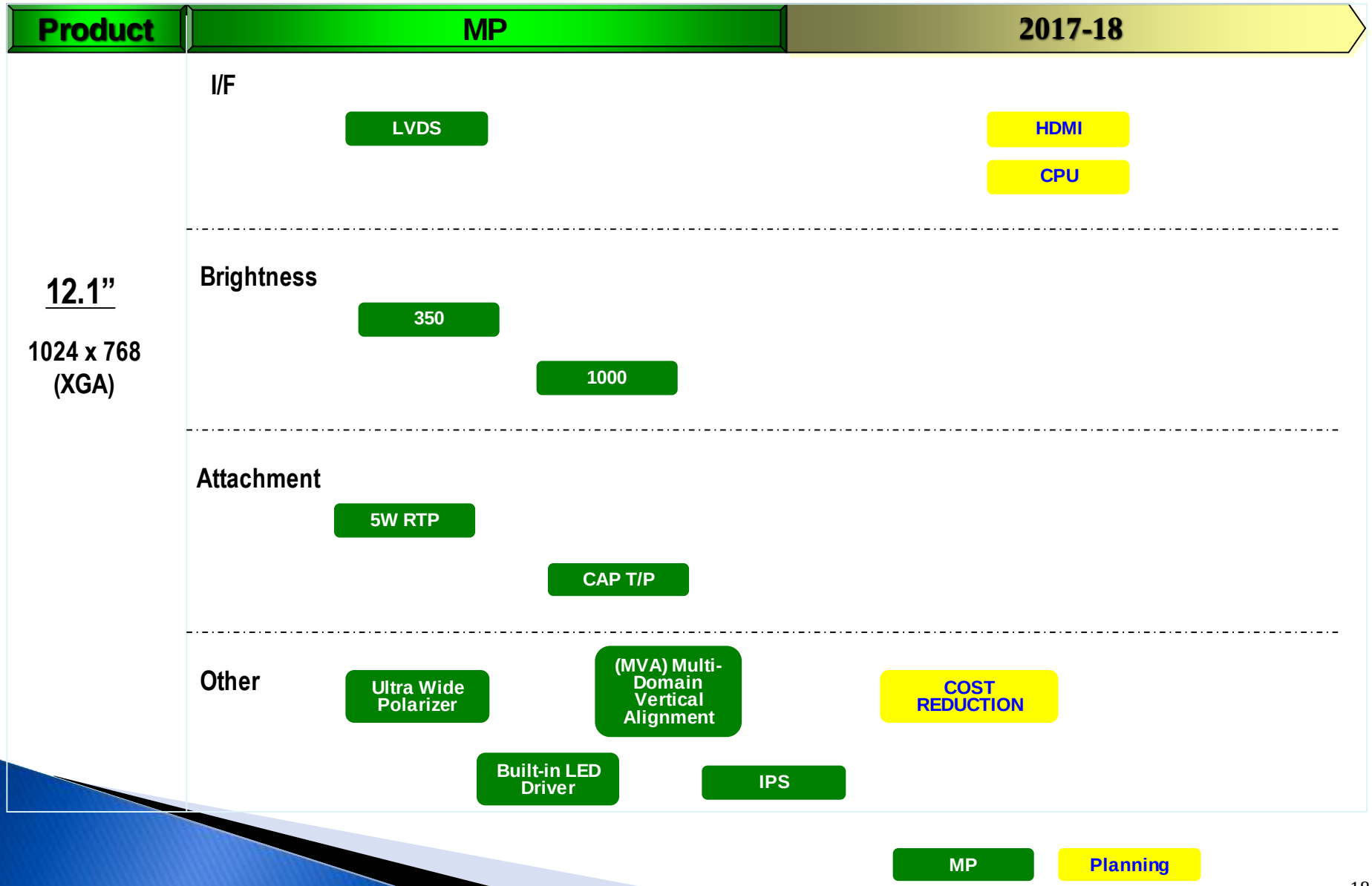
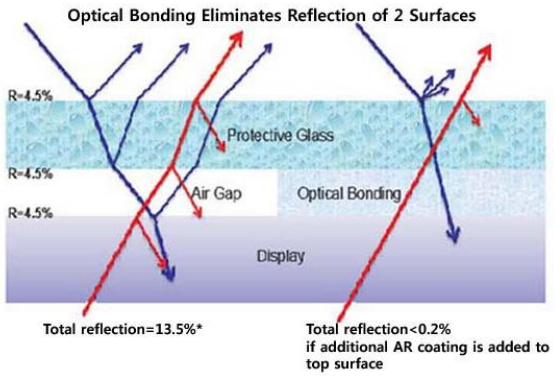
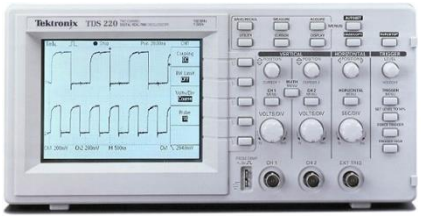


Technology & Applications





Process

- COB
- COG
- TAB
- SMT
- Optical Bonding
- Low Reflectance Polarizer

Products

- TN
- (F)STN
- TFT
- E-Ink
- Vertical Alignment
- FS-LCD
- OLED

APPLICATIONS

- Industrial
- Medical
- Telecom
- Equipment
- Appliances
- Automotive
- Consumer

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Hantronix Strengths

- Over 30 years of success in LCD industry based on customer-oriented service
- Real time engineering support from USA based applications engineers
- Highest quality with most competitive pricing
- Widest selection of standard products
- In-house value add capability
- Start to finish tailored support on custom displays
- Quick delivery from California warehouse
- Informative web site (http:www.hantronix.com)

Our Commitment to Customer

- Long term partnership
- Finding continuous ways for cost reduction
- Continuing Effort to bring value to the relationship
- Global support capability
- Quick technical solutions

Contact Us:

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