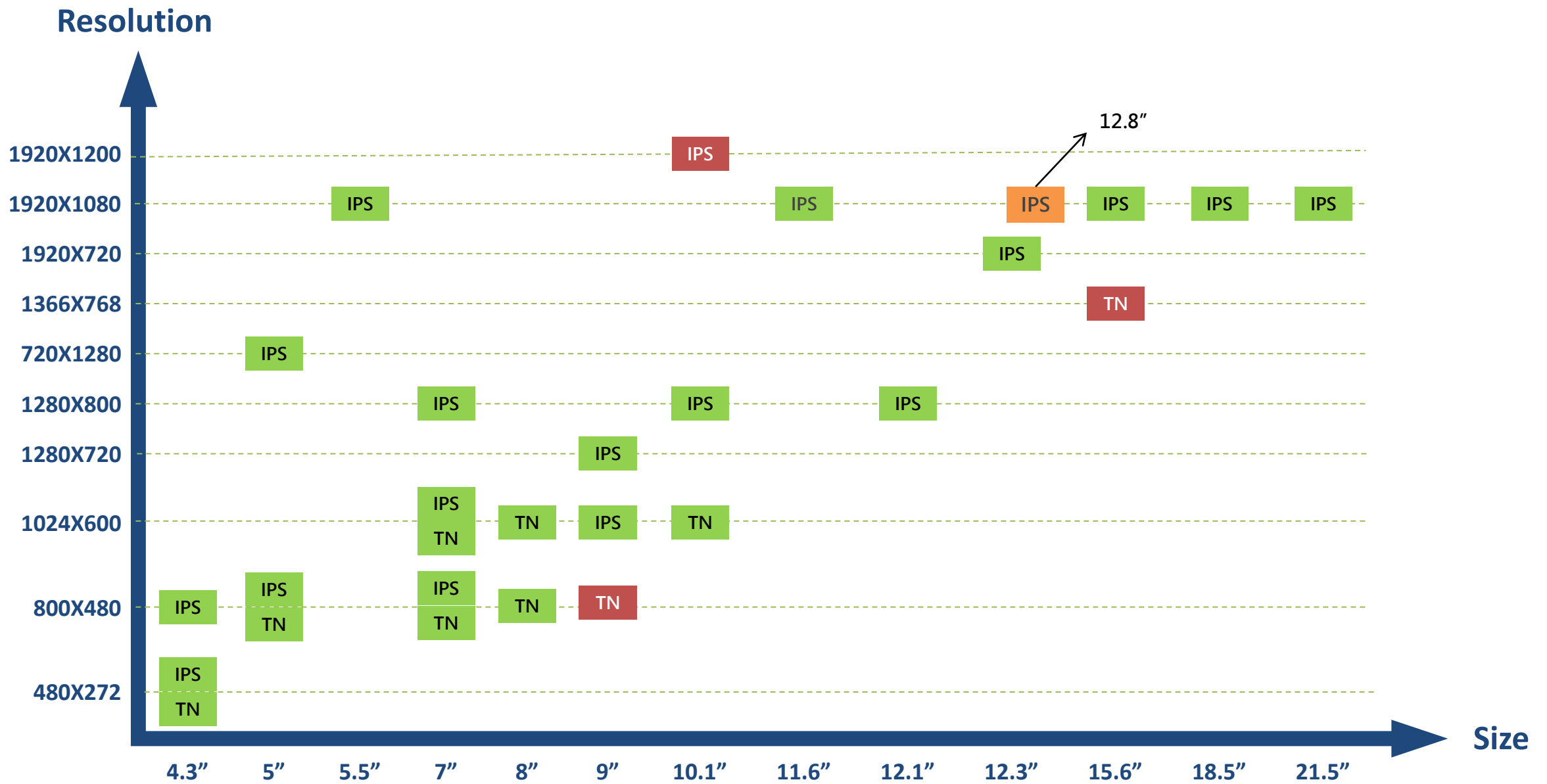




Product Road Map 2024



16:9 Format

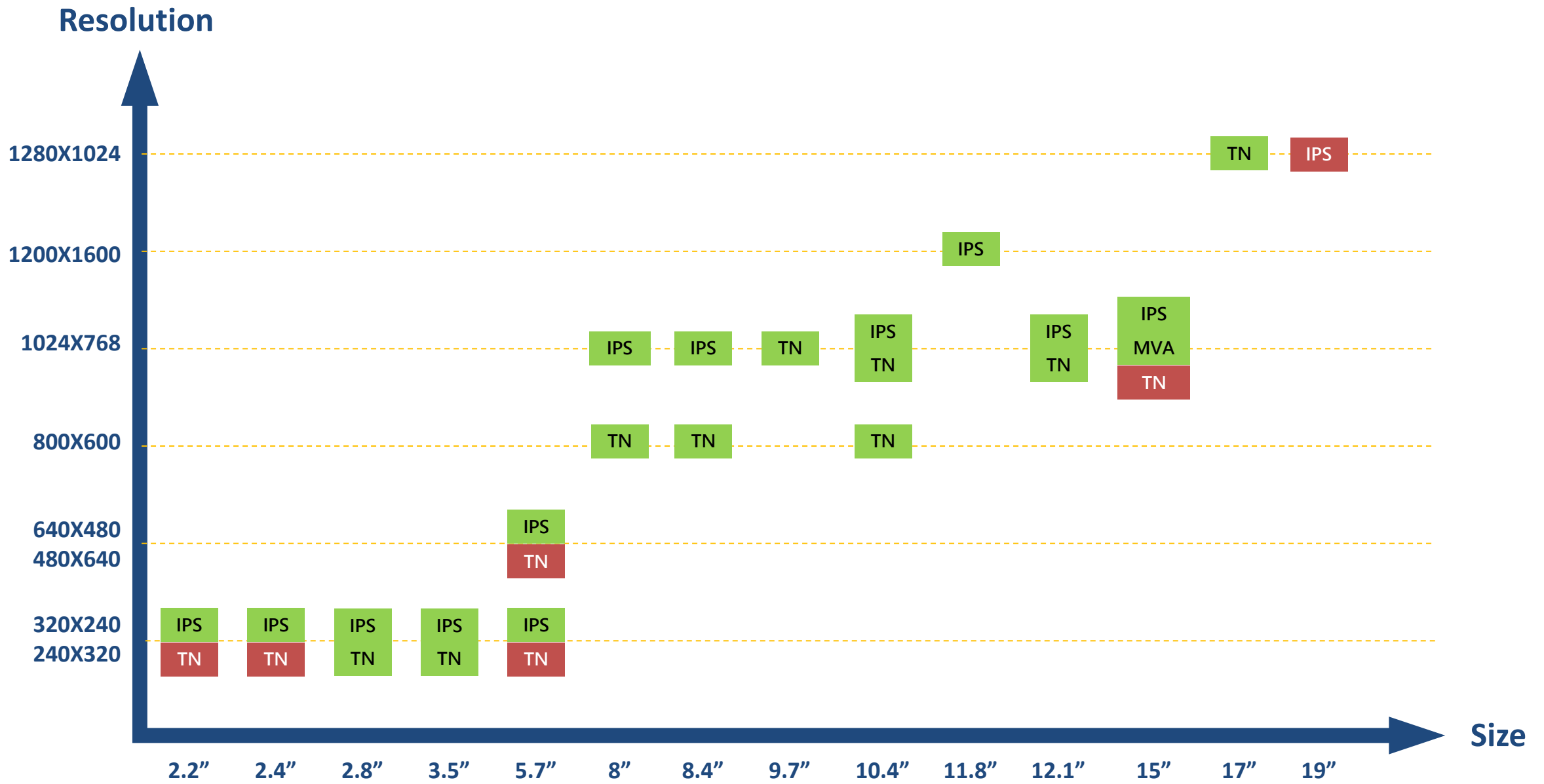
EOL

Sample & Developing

MP

Planning



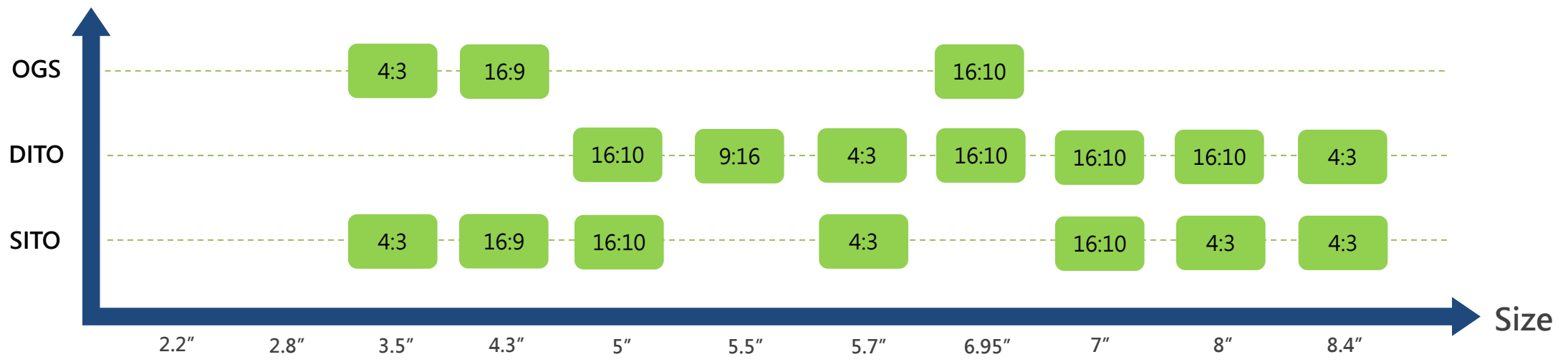


4:3 Format

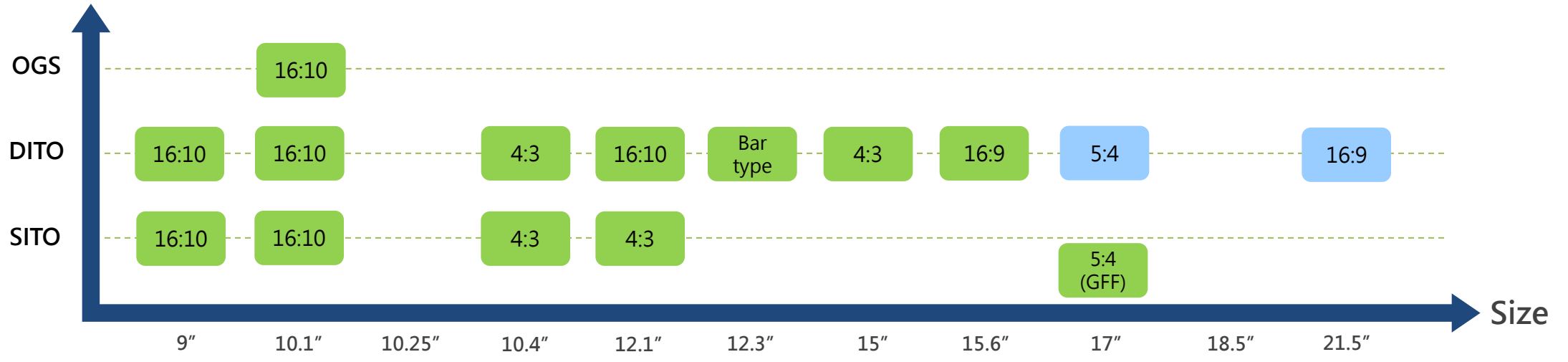
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Sample & Developing
MP
Planning



Structure



Structure



Capacity Touch (P-cap)

MP

Developing

Planning



Size	NOW	2024 H2	Future
2.2"	<p>240320J IPS</p> <p>MCU 400 nits O.P. -20~70 °C</p>		
2.4"	<p>240320LI IPS</p> <p>MCU / SPI / TTL 250~1000 nits O.P. -20~70 °C <i>Successor of 240320LG</i></p>		
2.8"	<p>240320M TN</p> <p>TTL / SPI / MCU 250~280 nits O.P. -20~70 °C</p>	<p>240320AJ IPS</p> <p>TTL 1000 nits O.P. -20~70 °C</p>	<p>240320AM IPS</p> <p>MCU 300 nits O.P. -20~70 °C</p>
3.5"	<p>320240L TN</p> <p>TTL 280~1000 nits O.P. -30~80 °C</p>	<p>320240LG TN</p> <p>MCU / SPI / TTL 280 nits O.P. -20~70 °C</p>	<p>320240LQ IPS</p> <p>TTL 400~1000 nits O.P. -30~85 °C</p>

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Developing & Sample

MP

Planning



Size	NOW	2024 H2	Future
4.3"	<div data-bbox="275 168 675 421"> <p>480272ME IPS TN MCU / TTL 500~800 nits O.P. -30~80 °C</p> </div> <div data-bbox="700 168 1100 421"> <p>480272MG IPS TTL 500~1000 nits O.P. -30~80 °C</p> </div> <div data-bbox="1126 168 1526 421"> <p>800480BD IPS TTL 500~1100 nits O.P. -30~80 °C</p> </div>		
5"	<div data-bbox="275 435 675 688"> <p>7201280K IPS MIPI 450 nits O.P. -20~75 °C</p> </div> <div data-bbox="700 435 1100 688"> <p>800480AZ TN TTL / LVDS 500~1000 nits O.P. -20~70 °C <i>Unsuitable for new project</i></p> </div> <div data-bbox="1126 435 1526 688"> <p>800480N IPS TTL / LVDS / HDMI 300~1000 nits O.P. -30~85 °C</p> </div> <div data-bbox="275 702 675 955"> <p>800480NG IPS TTL 900 nits O.P. -30~85 °C Mitsubishi Compatible</p> </div> <div data-bbox="700 702 1100 955"> <p>800480L TN TTL / LVDS 800 nits O.P. -30~85 °C</p> </div>		

EOL

Developing & Sample

MP

Planning



Size	NOW	2024 H2	Future
5.7"	320240N TN MCU / TTL 500 nits O.P. -20~70 °C	320240NM IPS MCU / TTL 500 nits O.P. -30~85 °C	320240NSM IPS MCU / TTL 500~800 nits O.P. -30~85 °C <i>Sharp compatible</i>
	640480G TN MCU / TTL / LVDS 500~1000 nits O.P. -30~85 °C	640480V IPS MCU / TTL LVDS 500~1000 nits O.P. -30~85 °C	640480VS IPS TTL 400~800 nits O.P. -30~85 °C <i>Sharp compatible</i>
	640480VH IPS TTL 350 nits O.P. -20~70 °C		

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Developing & Sample

MP

Planning



Size	NOW	2024 H2	Future
6.95"	<div data-bbox="280 171 675 421"> <p>800480B TN</p> <p>TTL / LVDS 500、1000 nits O.P. -20~70 °C</p> </div> <div data-bbox="700 171 1095 421"> <p>1024600S IPS</p> <p>LVDS / HDMI 500、1200 nits O.P. -30~85 °C</p> </div> <div data-bbox="1133 171 1528 421"> <p>1024600D IPS</p> <p>LVDS / HDMI 500、1200 nits O.P. -20~70 °C</p> </div>		
7"	<div data-bbox="280 449 675 699"> <p>1024600K TN</p> <p>LVDS 500、1000 nits O.P. -30~80 °C</p> </div> <div data-bbox="700 449 1095 699"> <p>1280800P IPS</p> <p>LVDS / HDMI 500、1500 nits O.P. -20~70 °C</p> </div> <div data-bbox="1133 449 1528 699"> <p>8001280G IPS</p> <p>MIPI 470nits O.P. -20~70 °C</p> </div> <div data-bbox="280 721 675 971"> <p>800480C IPS</p> <p>TTL / LVDS 500、1500nits O.P. -30~85 °C</p> </div> <div data-bbox="700 721 1095 971"> <p>800480R TN</p> <p>TTL / LVDS / MCU 500nits O.P. -20~70 °C</p> </div> <div data-bbox="1133 721 1528 971"> <p>800480R2M IPS</p> <p>TTL / LVDS / MCU 500nits O.P. -20~70 °C</p> </div> <div data-bbox="280 992 675 1242"> <p>800480S TN</p> <p>TTL / LVDS 390nits O.P. -20~70 °C</p> </div>		<div data-bbox="2051 442 2446 692"> <p>1280x768 IPS</p> <p>LVDS 500、1000、1500 nits O.P. -30~85 °C</p> </div>

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Planning



Size	NOW	2024 H2	Future	
8"	<p>1024600W TN LVDS 670 nits O.P. -30~85 °C</p>	<p>1024768J IPS LVDS 460、1000 nits O.P. -20~70 °C</p>	<p>1280720L IPS LVDS 800、1200 nits O.P. -30~85 °C</p>	<p>800480BN IPS LVDS 850nits O.P. -20~70 °C Touch in-cell</p>
	<p>800480D TN TTL / LVDS 450 nits O.P. -30~85 °C</p>	<p>800600C TN TTL / LVDS 250nits O.P. -20~70 °C</p>	<p>800600P TN TTL / LVDS 500、1000nits O.P. -20~70 °C</p>	
8.4"	<p>800600MYV TN LVDS 565nits、Wide Viewing O.P. -20~70°C Mitsubishi compatible</p>	<p>800600M3V TN LVDS 350、800 nits O.P. -20~70°C</p>	<p>1024768V IPS LVDS 600、1000 nits O.P. -40~80°C</p>	

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Planning



Size	NOW	2024 H2	Future
8.8"	<p>4801920A IPS</p> <p>MIPI 600 nits O.P. -20~70 °C Bar type display</p>		
9"	<p>1024600Y IPS</p> <p>LVDS 500、1200 nits O.P. -30~85 °C</p>	<p>1280720M IPS</p> <p>LVDS 1000 nits O.P. -30~85 °C</p>	
9.7"	<p>1024768P TN</p> <p>LVDS 650nits O.P. -20~70 °C</p>		

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Size NOW

2024 H2

Future

10.1"

1024600H TN

LVDS
500 nits
O.P. -20~70 °C

1024600L TN

LVDS
250、550、1000nits
O.P. -20~70 °C

1280800W IPS

LVDS/HDMI/USB-C/MIPI
350、550、1500nits
O.P. -30~85 °C

19201200H IPS

LVDS
1000、1500 nits
O.P. -20~70 °C

1280800N IPS

LVDS
350、500、1000nits
O.P. -30~85 °C

19201200B IPS

LVDS / MIPI
1000nits
O.P. -20~65 °C

19201200G IPS

LVDS
1000nits
O.P. -30~80 °C

8001280H IPS

MIPI
450 nits
O.P. -10~50 °C

1200x1920 IPS

LVDS
1000、1500 nits
O.P. -20~70 °C

Touch in-cell

EOL

Developing & Sample

MP

Planning



Size	NOW	2024 H2	Future	
10.25"	<p>1920720C1 IPS LVDS 800 nits O.P. -30~85 °C</p>			
10.4"	<p>1024768T TN LVDS 350、500、1000nits O.P. -20~70 °C</p> <p>800600K TN LVDS / TTL 500nits O.P. -30~80 °C</p>	<p>1024768K IPS LVDS 1200nits O.P. -30~80 °C Mitsubishi compatible</p> <p>800600L IPS LVDS / TTL 400nits O.P. -30~80 °C</p>	<p>1024768Y IPS LVDS 600、1000、1500nits O.P. -30~80 °C</p>	<p>800600K IPS LVDS / TTL 500nits O.P. -30~80 °C</p>

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Developing & Sample

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Planning



Size	NOW	2024 H2	Future
11.6"	<p>19201080K IPS LVDS 1400 nits O.P. -20~80 °C85</p>		
12.1"	<p>1024768R TN LVDS 500 nits O.P. -20~70 °C</p>	<p>1024768Z IPS LVDS 600、800、1500 nits O.P. -30~80 °C85</p>	<p>1280800Q IPS LVDS 450、1000、1200nits O.P. -20~70 °C85</p>
12.3"	<p>1920720B IPS LVDS 850 nits O.P. -30~85 °C</p>	<p>1920720E IPS LVDS 1000 nits O.P. -30~85 °C</p>	<p>1920x720 IPS LVDS 1000 nits O.P. -30~85 °C Touch in-cell</p>
12.8"			<p>19201080G IPS LVDS 1100 nits O.P. -30~85 °C</p>

EOL

Developing & Sample

MP

Planning



Size	NOW	2024 H2	Future
14.6"		<div data-bbox="1582 168 1982 422" style="border: 1px solid blue; border-radius: 15px; padding: 5px;"> <p>19201440A IPS LVDS 650nits O.P. -30~85 °C Touch in-cell</p> </div>	
15"	<div data-bbox="275 439 675 694" style="border: 1px solid blue; border-radius: 15px; padding: 5px;"> <p>1024768A MVA LVDS 500、800 nits O.P. -30~80 °C</p> </div> <div data-bbox="690 439 1090 694" style="border: 1px solid blue; border-radius: 15px; padding: 5px;"> <p>1024768Q IPS LVDS 500、1000、1500nits O.P. -30~85 °C</p> </div> <div data-bbox="1105 439 1505 694" style="border: 1px solid blue; border-radius: 15px; padding: 5px;"> <p>1024768H TN LVDS 450nits O.P. -20~70 °C</p> </div>		
15.6"	<div data-bbox="275 711 675 965" style="border: 1px solid blue; border-radius: 15px; padding: 5px;"> <p>19201080D IPS LVDS 450、1000nits O.P. -30~85 °C</p> </div> <div data-bbox="690 711 1090 965" style="border: 1px solid blue; border-radius: 15px; padding: 5px;"> <p>19201080F IPS LVDS 450、1000nits O.P. -30~85 °C</p> </div> <div data-bbox="1105 711 1505 965" style="border: 1px solid blue; border-radius: 15px; padding: 5px;"> <p>19201080N IPS LVDS / HDMI 400nits O.P. -20~70 °C</p> </div>		<div data-bbox="2058 711 2458 965" style="border: 1px solid blue; border-radius: 15px; padding: 5px;"> <p>1920x1080 IPS LVDS 1500 nits Mini LED</p> </div>

EOL

Developing & Sample

MP

Planning



Size	NOW	2024 H2	Future
17"	<p>12801024A TN</p> <p>LVDS 350nits O.P. -30~85 °C</p>		
19"	<p>12801024D IPS</p> <p>LVDS 250nits O.P. 0~50 °C</p>		
21.5"	<p>19201080M IPS</p> <p>LVDS / HDMI 350 、 1000nits O.P. 0~50 °C</p>	<p>19201080Q IPS</p> <p>LVDS / HDMI 1500nits O.P. -30~80 °C</p>	

EOL

Developing & Sample

MP

Planning



Product Roadmap AD board/Frame solution



- HDMI board with keypad option
- HDMI/VGA/DP AD board
- 10.1" Open Frame solution
- SDE board
- USB Type C/PD on-board AD board
- 15" open frame
- 17" open frame

- IP65 Display module (10.1" , 15.6")
- 21.5" open frame

Features

LCD resolution support to **1900x1200**
 2 input interface (**USB Type-C & HDMI Type-A**)
4 type of LVDS output interface
 Power supply with **DC 12V/ 2A**
 Touch panel signal with **Mini USB type-B**
 Backlight include **LED driver for PWM dimming**

Applications

USB monitor
 USB tablet
 Signature pad

Support OS

Windows 10: 32/64 bit
 Windows 8.1: 32/64 bit
 Ubuntu v-19.1 / 20
 Android 5.0 above



Remark:
 HDMI board solution supports all available Ampire panels



Display Size	Touch Technology	Control IC	Feature	Support Cover Lens Thickness	Interface	Support OS / Driver
3.5" 4:3	SITO	ST1633i	5 points	1~3mm/ 5 points	I2C	Android/Linux
				4mm~5mm/ 2 points		
3.5"4:3	OGS	ST1624	5 points	81.9x69.9	I2C	Android/Linux
4:3(new)	DITO	ST1633i	5 points	118.04x78.76x1.1mm cover lens	I2C	Android/Linux
4.3"16:9	SITO	ST1633i	5 points	1-3/5 points	I2C	Android/ Linux
				4mm~5mm/ 2points		
4.3" 16:9 (new)	OGS	ILI2117A	10 points	114.4x71.6x0.7mm touch size	I2C	Android/ Linux
5" 16:9	SITO	ST1633i	5 points	1~3mm/ 5 points	I2C	Android/ Linux
				4mm~5mm/ 2 points		
5" 16:9	DITO	ILI2511	10 points	129.9x86.7x 1mm	USB/I2C	Android 、 Linux and Windows driver
5" 16:9	DITO	EETI EXC80W32/CS10V/m	10 points	129.9x86.7x 1mm	USB/I2C	Android 、 Linux and Windows driver
5.5" 16:9	DITO	ILI2511	10 points	95.24x154.4x1.1mm	USB/I2C	Android 、 Linux and Windows driver
5.7" 4:3	DITO	ST1633i(cost saving version with cover lens)	5 points	Standard cover lens (148x120x1.1mm)	I2C	Android/ Linux
5.7" 4:3	SITO	EXC80W32	10 points		I2C/USB	Android 、 Linux and Windows driver

P-cap

Display size	Touch Technology	Control IC	Feature	Support Cover Lens Thickness	Interface	Support OS / Driver
7" 16:9	SITO	ST1633i (cost saving)	2-5 points	1~2mm/ 5 points 3mm~5mm/ 2 points	I2C	Android/Linux
7" 16:9	DITO	ILI2511	10 points	184.0x128.0x1.1T	USB/I2C	Android 、 Linux and Windows driver
7" 16:9	SITO	EXC80W32	10 points	5-6mm	USB/I2C	Android 、 Linux and Windows driver
7 DD/1280800P	SITO	EXC80W32	10 points	5-6mm	USB/I2C	Android 、 Linux and Windows driver
7 DD/800x480B/1024600D	DITO	ILI2511 -CS10V/m EXC80W32	10 points	(184.0x128.0x1.1T)/DITO	USB/I2C	Android 、 Linux and Windows driver
7DD/800x480B/1024600D	DITO	ILI2117A	10 points	DITO /173x117x1.1mm	I2C	Android/ Linux
7DD/800x480B/800x480H/1024600D (new)	OGS	ILI2117A	10 points	190x112.5x1.1mm(TP size)	I2C	Android/ Linux
8" 4:3	SITO	ILI2511	10 points	4-5mm	USB/I2C	Android 、 Linux and Windows driver
8.4" 4:3(new)	DITO	ILI2511/CS10V/m	10 points	Cover lens OD=212.17x166.8x1.1mm support to 7mm(if thickness increased, the touch point is decreased)	USB/I2C	Android 、 Linux and Windows driver
8" 16:9(new)	DITO	ILI2312CS10V/m	10 points	Standard cover lens 241.4x136.9 x T2.0mm	USB/I2C	Android 、 Linux and Windows driver
9" 16:9(new)	DITO	ILI2511/CS10V/m	10 points	Standard cover lens 241.1x146.5 x T2.0mm	USB/I2C	Android 、 Linux and Windows driver

P-cap

Display size	Touch Technology	Control IC	Feature	Support Cover Lens Thickness	Interface	Support OS / Driver
10.1" 1024x600	DITO	EXC80W46 /m ILI2511 for CS10V/m	10 points	Cost saving with Standard lens (247x166x1.1mm)	USB/I2C	Android 、Linux and Windows driver
10.1" 1280x800/1920x1200	DITO	LI2511 for CS10V/m EXC80W46 CS10V/m	10 points	Cost saving with Standard lens (247x166x1.1mm)	USB/I2C (COF /controller board)	Android 、Linux and Windows driver
10.1" 1280x800/1920x1200	SITO	EXC80W32 for CS10V/m	10 points	241.96x151.5x1mm(touch size)	USB/I2C	Android 、Linux and Windows driver
10.4"(new)	DITO	ILI2511/CS 10V/m	10 points	245x195x1.1mm cover lens	USB/I2C	Android 、Linux and Windows driver
10.4"(new)	SITO	EXC80W60/CS 10V/m	10 points	Up to 9mm(within thickness increased, the touch point is decreased)	USB/I2C	Android 、Linux and Windows driver
12.1"4:3	SITO	EXC80W60/CS 10V/m	10 points	Up to 9mm(within thickness increased, the touch point is decreased)	USB/I2C	Android 、Linux and Windows driver
12.3"	DITO	ILI2511 for CS10V/m EXC80W46 10V/m	10 points	Standard lens 324.5x145.5x1.1T	USB/I2C	Android 、Linux and Windows driver
12.1"/1280x800	DITO	ILI2511 for CS10V/m EXC80W46 10V/m	10 points	298x204x1mm cover lens	USB/I2C	Android 、Linux and Windows driver
15" 4:3	DITO	ILI2510/CS 10V/m	10 points	346.0x270.0x2.0mm Cover lens	USB/I2C	Android 、Linux and Windows driver
15.6"/1920x1080	DITO	ILI2510/ CS 10V/m EXC80W46 10V/m	10 points	392.23x241.54x1.8mm cover lens	USB/I2C	Android 、Linux and Windows driver
21.5	DITO	EXC81W84	10 points		USB	Android 、Linux and Windows driver

What we can **SUPPORT**

- **Total Solution**
- **IP65 Frame Solution**
- **Outdoor UV-Resistant Solution**
- **Hover Touch**
- **Cover Lens customization**