

								
	SDS1202X-E		EDUX1002A		TEK TBS2072		DS1054Z	
Bandwidth	200 MHz	✓	50 MHz	✗	70 MHz	✗	50 MHz	✗
Analog channels	2 CH	✓	2 CH	✓	2 CH	✓	4 CH	✓
Max. real-time sample rate	1 GSa/s	✓	1 GSa/s	✓	1 GSa/s	✓	1 GSa/s	✓
Max. memory depth	14 Mpts	✓	100 Kpts	✗	20 Mpts	✓	12 Mpts, 24 Mpts(optional)	✗
FFT	1 Mpts	✓	64 Kpts	✗	Less than 512 Kpts	✗	Less than 512Kpts	✗
Waveform capture rate (Normal mode)	100,000 wfm/s	✓	50,000 wfm/s	✗	No Support	✗	30,000 wfm/s	✗
Max. waveform capture rate (Sequence mode)	400,000 wfm/s	✓	No Support	✗	No Support	✗	No Support	✗
Serial trigger and decode	I <sup>2</sup> C, SPI, UART/RS232, CAN, LIN (Standard)	✓	I <sup>2</sup> C, UART/RS232 (Optional)	✗	No Support	✗	I <sup>2</sup> C, SPI, UART/RS232 (Option)	✗
256-level intensity grading and color temperature display	Support	✓	Only 256-level intensity grading	✗	No Support	✗	Only 256-level intensity grading	✗
Vertical sensitivity	500 uV ~ 10 V/div	✓	1 mV ~ 10 V/div 500 uV/div (20MHz limited)	✓	2 mv/div ~ 5 V/div	✗	1 mV ~ 10 V/div	✗
Timebase	1 ns ~ 100 s/div	✓	5 ns ~ 50 s/div	✗	2 ns ~ 100 s/div	✗	5 ns ~ 50 s/div	✗
Sequence function	Support, minimum dead time low to 2.5 μs	✓	No Support	✗	No Support	✗	No Support	✗
History function	Support, maximum of 80,000 frames can be recorded	✓	No Support	✗	No Support	✗	Support, maximum of 60,000 frames can be recorded	✗
Enhanced / high resolution mode	Support	✓	Support	✓	No Support	✗	Support	✓
Trigger type	Edge , slope, pulse width, window , Runt, Interval, Dropout, Pattern , video (support HDTV)	✓	Edge, pulse width, video (NTSC, PAL, SECAM and PAM-M), rise/fall time, setup and hold, pattern/state	✓	Edge, Pulse Width, Runt	✗	Edge, pulse width, Runt,Window,Nth Edge,Solpe,video (NTSC, PAL, SECAM and 480P,576P), Pattern,Delay,Time out, setup and hold, pattern/state	✓
Auto measurement and statistics	Support 38 Types, 6 Types statistics info: value, mean, min, max, stev, num	✓	Support 28 Types	✗	Support 32 Types	✗	Support 33 Types	✗
Pass/Fail(Mask test)	Support, Hardware-Based	✓	No Support	✗	Support, Software-Based	✓	Support, Hardware-Based	✓
Interface	USB Host & Device,LAN,AUX (Pass/Fail,Trigger Out)	✓	USB Host & Device	✗	USB Host&Device, LAN, WIFI	✓	USB Host & Device, LAN, AUX (Pass/Fail, Trigger Out)	✓
Display	7 inch (800*480), 8*14 grid display	✓	7 inch WVGA, 8*10 grid display	✗	9 inch (800*480), 8*15 grid	✓	7 inch WVGA, 8*12 grid display	✗
Price	359 €	✓	379 €	✗	1 015 €	✗	338 €	✗