

**SHEETFED SCANNER**



SCANNERS	AD125   A4	AD230   A4	AD240   A4	AD260   A4	AD280   A4	AV36   A4	AV50F Plus   A4	AV175+   A4	AV176U   A4	AV188   A4	AV280   A4	AV320E2+   A3
<b>SCANNING SPEED</b>												
Simplex/Duplex Scanning	Duplex	Duplex	Duplex	Duplex	Duplex	Duplex	Duplex	Simplex	Duplex	Duplex	Duplex	Duplex
PPM/IPM @200 dpi B&W	25/50	40/80	60/120	70 / 140	80 / 160	12 sec. / 15 sec.	15/30	30	30/60	40/80	70/140	80/160 (A4)
PPM/IPM @200 dpi Color	25/50	40/80	60/120	70 / 140	80 / 160	12 sec. / 15 sec.	15/30	30	30/60	40/80	70/140	60/120
PPM/IPM @300 dpi B&W	20/40	30/60	40/80	60 / 120	80 / 160	12 sec. / 15 sec.	8.5/17	20	20/40	30/60	60/120	60/120
PPM/IPM @300 dpi Color	20/40	30/60	40/80	60 / 120	80 / 160	12 sec. / 15 sec.	8.5/17	20	20/40	30/60	60/120	60/120
<b>KEY CHARACTERISTICS</b>												
Technology	CCD	CIS	CCD	CCD	CCD	CIS	CIS	CIS	CIS	CCD	CCD	CCD
Light source	LED	LED	LED	LED	LED	LED	LED	LED	LED	LED	LED	LED
B&W/Greyscale/Color Scanning	✓✓✓	✓/✓/✓	✓/✓/✓	✓/✓/✓	✓/✓/✓	✓/✓/✓	✓/✓/✓	✓/✓/✓	✓/✓/✓	✓/✓/✓	✓/✓/✓	✓/✓/✓
ADF Capacity	50	80	80	100	100	Single Sheetfed	20	50	50	50	100	150 (60 g)
Paper Thickness	34 ~ 127 g/m <sup>2</sup>	27 ~ 413 g/m <sup>2</sup>	27 ~ 413 g/m <sup>2</sup>	27 ~ 413 g/m <sup>2</sup>	27 ~ 413 g/m <sup>2</sup>	49 ~ 120 g/m <sup>2</sup>	34 ~ 127 g/m <sup>2</sup>	28 ~ 400 g/m <sup>2</sup>	28 ~ 400 g/m <sup>2</sup>	28 ~ 400 g/m <sup>2</sup>	27 ~ 413 g/m <sup>2</sup>	28 ~ 413 g/m <sup>2</sup>
ID Card Thickness	-	1.25 mm	1.25 mm	1.25 mm	1.25 mm	1.25 mm	-	1.25 mm	1.25 mm	1.25 mm	1.25 mm	1.25 mm
Minimum Document Size (width × length cm)	5.0 × 6.3	5.0 × 5.0	5.0 × 5.0	5.0 × 5.0	5.0 × 5.0	5.3 × 7.4	5.0 × 6.3	5.2 × 7.4	5.2 × 7.4	5.0 × 7.4	7.4 × 5.2	5.0 × 8.8
Maximum Document Size (width × length cm)	21.6 × 35.6	21.6 × 35.6	24.1 × 35.6	24.1 × 35.6	24.1 × 35.6	21.6 × 35.6	21.6 × 35.6	21.6 × 35.6	21.6 × 35.6	21.6 × 35.6	21.6 × 35.6	29.7 × 43.2
Multifeed Detection (Lenth, Thickness, 3D-Ultrasonic)	Length	Ultrasonic	Ultrasonic	Ultrasonic	Ultrasonic	Length	Length	Ultrasonic	Ultrasonic	Ultrasonic	Ultrasonic	Ultrasonic
Includes ISIS®, TWAIN, WIA Drivers	✓/✓/✓	✓/✓/✓	✓/✓/✓	✓/✓/✓	✓/✓/✓	✓*/✓/✓	✓/✓/✓	✓*/✓/✓	✓/✓/✓	✓/✓/✓	✓/✓/✓	✓/✓/✓
Software Bundle: ButtonManager/PaperPort	✓/✓	✓/✓	✓/✓	✓/✓	✓/✓	✓/✓	✓/✓	✓/✓	✓/✓	✓/✓	✓/✓	✓/✓
Kofax VRS	-	-	-	✓	✓	-	-	-	-	-	✓	✓
<b>IMAGE PROCESSING</b>												
Multistream Scanning: B&W+Grey+Color	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Optical Resolution (dpi)	600	600	600	600	600	600	600	600	600	600	600	600
Compression CCITT ,Group 4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Compression Color JPEG	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Dynamic Thresholding	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Skew Detection/Skew Correction/AutoCrop	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Color Drop Out/ICC profile	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Blank Page Removal	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Color Dropout (red/green/blue)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
End of Page Detection	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>PHYSICAL SPEC.</b>												
Width/Depth/Heigh in mm	316 × 172 × 271	316 × 191 × 168	316 × 191 × 168	316 × 191 × 168	316 × 191 × 168	290 × 77 × 52	297 × 235 × 158	282 × 152 × 165	282 × 152 × 165	305 × 162 × 195	306 × 268 × 258	420 × 216 × 250
Width/Depth/Heigh in inch	12.1 × 6.8 × 10.7	12.4 × 7.5 × 6.6	12.4 × 7.5 × 6.6	12.4 × 7.5 × 6.6	12.4 × 7.5 × 6.6	11.4 × 3 × 2	11.7 × 9.3 × 6.2	11 × 6.1 × 6.5	11 × 6.1 × 6.5	12 × 6.4 × 7.7	12 × 10.6 × 10.2	16.5 × 8.5 × 9.8
Weight kg	2.6	4	4	4.5	4.5	0.7	1.7	2.38	2.48	3.85	6.5	12
Temperature (Degree C)	10-35	10-35	10-35	10-35	10-35	10-35	10-35	10-35	10-35	10-35	10-35	10-35
Humidity (%)	10-85	10-85	10-85	10-85	10-85	10-85	10-85	10-85	10-85	10-85	10-85	10-85
Energy Star Compliant	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Power Consumption (Operation/Standby) in W	24/10	20/6	26/8	47 / 16	47 / 16	2.5 / 2	10 / 5	15 / 8	15 / 8	25 / 11	47 / 13	40 / 12.5
Noise (Operation/Standby) in dBA	50/45	50/45	50/45	55 / 45	55 / 45	50 / 45	58 / 45	50 / 45	50 / 45	50 / 45	50 / 45	55 / 40
Interface	USB 2.0	USB 2.0	USB 2.0	USB 3.0	USB 3.0	USB 2.0	USB 2.0	USB 2.0	USB 2.0	USB 2.0	USB 2.0	USB 2.0
<b>RELIABILITY</b>												
Recommended Daily duty cycle (pages)	4,000	6,000	6,000	10,000	10,000	100	1,000	3,000	3,000	4,000	8,000	8,000

\* ISIS compatible

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**DOCUMENT SCANNER**



SCANNERS	AV620C2+   A4	AV1750   A4	AV1760   A4	AV1880   A4	AV2800   A4	AV5100   A3	AV5400   A3
<b>SCANNING SPEED</b>							
Simplex/Duplex Scanning	Duplex	Simplex	Duplex	Duplex	Duplex	Simplex	Duplex
PPM/IPM @200 dpi B&W	25/50	30	30/60	40 / 80	70/140	30	50/100
PPM/IPM @200 dpi Color	20/30	30	30/60	40 / 80	70/140	30	30/60
PPM/IPM @300 dpi B&W	25/50	20	20/40	40 / 80	60/120	30	50/100
PPM/IPM @300 dpi Color	20/30	20	20/40	40 / 80	60/120	30	30/60
<b>KEY CHARACTERISTICS</b>							
Technology	CIS	CIS	CIS	CCD	CCD	CIS	CIS
Light source	LED	LED	LED	LED	LED	LED	LED
B&W/Greyscale/Color Scanning	✓/✓/✓	✓/✓/✓	✓/✓/✓	✓/✓/✓	✓/✓/✓	✓/✓/✓	✓/✓/✓
Flatbed Scanning (all models have ADF)	21.6 × 29.7	21.6 × 29.7	21.6 × 29.7	21.6 × 35.6	216 × 356 mm	29.7 × 42	29.7 × 42
ADF Capacity	50	50	50	50	100	50	50
Paper Thickness	60 ~ 107 g/m <sup>2</sup>	28 ~ 400 g/m <sup>2</sup>	28 ~ 400 g/m <sup>2</sup>	49 ~ 200 g/ m <sup>2</sup>	28g ~ 400 g/m <sup>2</sup>	60 ~ 105 g/m <sup>2</sup>	60 ~ 105 g/m <sup>2</sup>
ID Card Thickness	–	1.25 mm	1.25 mm	1.25 mm	1.25 mm	–	–
Minimum Document Size (width × length cm)	9 × 9	7.4 × 5.2	7.4 × 5.2	5 × 6.3	7.4 × 5.2	14.8 × 21	14.8 × 21
Maximum Document Size (width × length cm)	21.6 × 35.6	21.6 × 35.6	21.6 × 35.6	21.6 × 35.6	21.6 × 35.6	29.7 × 42	29.7 × 42
Multifeed Detection(Lenth, Thickness, 3D-Ultrasonic)	Ultrasonic	Ultrasonic	Ultrasonic	Ultrasonic	Ultrasonic	Ultrasonic	Ultrasonic
Includes ISIS®, TWAIN, WIA Drivers	✓*/✓/✓	✓*/✓/✓	✓*/✓/✓	✓*/✓/✓	✓*/✓/✓	✓*/✓/✓	✓*/✓/✓
Software Bundle: ButtonManager / PaperPort	✓/✓	✓/✓	✓/✓	✓/✓	✓/✓	✓/✓	✓/✓
Kofax VRS	–	–	–	–	–	–	–
<b>IMAGE PROCESSING</b>							
Multistream Scanning: B&W+Grey+Color	✓	✓	✓	✓	✓	✓	✓
Optical Resolution (dpi)	600	600	600	600	600	600	600
Compression CCITT, Group 4	✓	✓	✓	✓	✓	✓	✓
Compression Color JPEG	✓	✓	✓	✓	✓	✓	✓
Dynamic Thresholding	✓	✓	✓	✓	✓	✓	✓
Skew Detection/Skew Correction/AutoCrop	✓	✓	✓	✓	✓	✓	✓
Color Drop Out/ICC profile	✓	✓	✓	✓	✓	✓	✓
Blank Page Removal	✓	✓	✓	✓	✓	✓	✓
Color Dropout (red / green / blue)	✓	✓	✓	✓	✓	✓	✓
End of Page Detection	✓	✓	✓	✓	✓	✓	✓
<b>PHYSICAL SPEC.</b>							
Width/Depth/Heigh in mm	453 × 324 × 237	285 × 628 × 376 mm	285 × 628 × 376	588 × 319 × 272 mm	318 × 649 × 509	585 × 499 × 195 mm	585 × 499 × 195mm
Width/Depth/Heigh in inch	17.8 × 12.8 × 9.3	11.2 × 24.7 × 14.8 inch	11.2 × 24.7 × 14.8	23.15 × 12.6 × 10.7 inch	12.5 × 33.4 × 20.04	23 × 19.6 × 7.7 inch	23 × 19.6 × 7.7 inch
Temperature (Degree C)	10-35	10-35	10-35	10-35	10-35	10-35	10-35
Humidity (%)	10-85	10-85	10-85	10-85	10-85	10-85	10-85
Energy Star Compliant	✓	✓	✓	✓	✓	✓	✓
Power Consumption (Operation/Standby) in W	15/6	30/10	30/10	36/15	60/15	30/12	30/12
Noise (Operation/Standby) in dBA	58/40	50/45	50/45	50/45	50/45	50/45	50/45
Interface	USB 2.0	USB 2.0	USB 2.0	USB 2.0	USB 2.0	USB 2.0	USB 2.0
<b>RELIABILITY</b>							
Recommended Daily duty cycle (pages)	2,500	3,000	3,000	4,000	6,000	3,000	3,000

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