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Find the *PMC DCX-VM100* at our website: *Click HERE*

DCX-PC 100 Series Motion Control Modules



DCX-MC100 Module
(± 10 volt analog command)

DCX-MC100 Servo Motor Control Module	
Operating Modes	Position, Velocity
Control Filter	3.3 KHz PID, 32 bit precision
Velocity Profiles	Trapezoidal
Output	Analog Signal, 12 bit ±10 VDC
Position Feedback	Incremental Encoder (single ended or differential), 750,000 counts / sec
Encoder Supply	+5 or +12VDC, jumper selectable
Encoder Inputs	Differential (-7 to +7 VDC) or TTL
Jog Input	2 dedicated inputs (low true)
Other I/O (TTL)	Inputs: Limit +, Limit -, Coarse Home, Index, Amplifier Fault Outputs: Amplifier Enable



DCX-MC110 Module
(Motor drive output)

DCX-MC110 Servo Motor Control Module	
Operating Modes	Position, Velocity
Control Filter	3.3 KHz PID, 32 bit precision
Velocity Profiles	Trapezoidal
Output	12 volt @ 500mA, 8-bit
Position Feedback	Incremental Encoder (single ended or differential), 750,000 counts / sec
Encoder Supply	+5 or +12 VDC, jumper selectable
Encoder Inputs	Differential (-7 to +7 VDC) or TTL
Jog Input	2 dedicated inputs (low true)
Other I/O (TTL)	Inputs: Limit +, Limit -, Coarse Home, Index, Amplifier Fault Outputs: Amplifier Enable

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DCX-MC120 Module (PWM output, TTL)

DCX-MC120 Servo Motor Control Module

Operating Modes	Position, Velocity
Control Filter	3.3 KHz PID, 32 bit precision
Velocity Profiles	Trapezoidal
Output	Digital PWM (TTL), 8-bit
Position Feedback	Incremental Encoder (single ended or differential), 750,000 counts / sec
Encoder Supply	+5 or +12 VDC, jumper selectable
Encoder Inputs	Differential (-7 to +7 VDC) or TTL
Jog Input	2 dedicated inputs (low true)
Other I/O (TTL)	Inputs: Limit +, Limit -, Coarse Home, Index, Amplifier Fault Outputs: Amplifier Enable



DCX-MC120 Module (PWM output, TTL)

DCX-MC120E Aux. Encoder Interface Module

Position Feedback	Incremental Encoder (single ended or differential), 750,000 counts / sec
Encoder Supply	+5 or +12 VDC, jumper selectable
Encoder Inputs	Differential (-7 to +7 VDC) or TTL
Other I/O (TTL)	Inputs: Limit +, Limit -, Coarse Home, Index, Amplifier Fault Outputs: Amplifier Enable



DCX-MC150 Module

DCX-MC150 Stepper Motor Control Module

Operating Modes	Position, Velocity
Velocity Profiles	Trapezoidal
Outputs	Pulse & Direction or CW & CCW
Step Rates	20 to 20K steps / sec
Position Resolution	32-bit
Velocity Resolution	8-bit
Jog Inputs	1 dedicated, 0 or 5 volts
Other I/O	Inputs: Limit +, Limit -, Home Outputs: Stopped, Motor On, Full / Half Step, Full / Half Current



DCX-MC160 Stepper Motor Control Module

Operating Modes	Position, Velocity
Velocity Profiles	Trapezoidal
Outputs	Pulse & Direction or CW & CCW
Step Rates	20 to 20K steps / sec

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DCX-MC160 Module
(Includes auxiliary encoder)

Position Resolution	32-bit
Velocity Resolution	8-bit
Jog Inputs	1 dedicated, 0 or 5 volts
Other I/O	Inputs: Limit +, Limit -, Home Outputs: Stopped, Motor On, Full / Half Step, Full / Half Current



DCX-MC200 Module
(± 10 volt analog command)

DCX-MC200 Servo Motor Control Module

Operating Modes	Position, Velocity, Torque, Gain
Control Filter	1 KHz PID with Velocity & Acceleration Feed-Forward
Velocity Profiles	Trapezoidal with independent acceleration and deceleration
Output	Analog Signal, 12 bit ±10 VDC, Digital PWM (TTL)
Position Feedback	Incremental Encoder (single ended or differential), 1,250,000 counts / sec
Encoder Supply	+5 or +12 VDC, jumper selectable
Encoder Inputs	Differential (-7 to +7 VDC) or TTL
Joystick Input	Analog 0 to +5 volts, 8-bit
Other I/O	Inputs: Limit +, Limit -, Coarse Home, Amplifier Fault, 2 user definable inputs Outputs: Amplifier Enable



DCX-MC260 Module

DCX-MC260 Stepper Motor Control Module

Operating Modes	Position, Velocity, and Joystick
Velocity Profiles	Trapezoida with independent acceleration and deceleration
Step Outputs	Pulse & Direction, or CW & CCW, open collector, 50% duty cycle
Step Frequency	15 / sec to 1.25 M / sec
Position Feedback	Incremental Encoder (single ended or differential), 1,250,000 counts / sec
Encoder Supply	+5 or +12 VDC, jumper selectable
Encoder Inputs	Differential (-7 to +7 VDC) or TTL
Joystick Input	Analog 0 to +5 volts, 8-bit
Other I/O	Inputs: Limit +, Limit -, Home, Coarse Home Outputs: Motor On, Full / Half Step, Full / Half Current, Stopped

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