ASCII Commands Currently in Use

This document contains a list of all characters currently in use as ASCII commands

Commands Using "a" terminator					
Upper Case Characters		Lower Case Characters		Other Characters	
Character	**Description**	**Character**	**Description**	**Character**	**Description**
A	Activate Camera Auxiliary	a	Terminator	~	End or Inverse operation
B	De-Activate Camera Auxiliary	b	Sequence backward	/	Record pattern
C	Iris Close	** c	Cable compensation	^	Set Preset
D	Tilt Down			\	Call Preset
E	Trigger Alarm	e	Sequence Hold	!	Label terminator
F	Focus Far	** f	Camera titles on/off	#	Select Camera
G	Lock Cam to Monitor	** g	Time Date on/off	+	Next Camera
H	Stop Macro	** h	Character brightness	-	Previous Camera
I	Clear/Reset Alarm			** |	Unit Identifier
* Ji * Je * Jv	Arm Internal Alarm Arm External Alarm Arm Vid Loss Alarm	** j	All Characters off	* :	Separator or Delimiter for range of addresses
* K	Acknowledge Alarm	** k	Soft reset	*)	End Zone program
L	Pan Left	l	Set Preset Label	* (	Begin Zone program
M	Select Monitor	m	Terminator for the Multiplexer and Recorder type cmds	* 1@ * 2@ * 3@	Begin Random Scan Begin Frame Scan Begin Auto Scan
N	Focus Near	n	End Pattern	** ?	Query Status
O	Iris Open	* o	Override Camera to Monitor Lock		
P	Program Mode	p	Execute Pattern		
Q	Query Device	q	Sequence Forward		
R	Pan Right	r	End Tour		
S	Start Macro	s	PTZ Stop All		
T	Zoom Telefoto	t	Begin Tour		
U	Tilt Up				
V	Video Loss Detect	v	Report Version		
W	Zoom Wide	**w	x y	Horizontal and Vertical character positions set		
** X	Communication port configuration	* x * ~x	Activate GPI Auxes De-activate GPI		
Y	Set Camera Title				
Z, ** 1Z, ** 2Z	Set Time & Date Set Date style Set Time style	* z * ~z	Display Zone Labels Turn OFF Zone labels		

* indicates a newly added command character
** indicates a newly added command for the CM9760-MDA *only*

Commands Using "m" terminator					
Upper Case Characters		Lower Case Characters		Other Characters	
Character	Description	Character	Description	Character	Description
D	Digital tilt down	d	Digital pan/tilt for Multiplexer zoom	#	Select mux camera
L	Digital pan left	* e	Pause Recording Device	~	End operation
R	Digital pan right	i	Picture in picture	* >	Play Recording Device
U	Digital tilt up	m	Terminator	* <	Eject Media from Recording Device
		* r	Record Media of Recording Device	* >>	Fast Forward Media in Recording Device
		* s	Stop Recording Device	* <<	Rewind Media in Recording Device
		o	Nano screen mode		
		u	Quad screen mode		
		x	Hex screen mode		
		y	Digital Zoom mode toggle		

* indicates a newly added command character

Note: The ~ character must precede another command character. The ~La command, for instance, ends the pan left operation. Similarly the digital pan/tilt command, lower case d, must precede one of the pan/tilt direction commands. To perform a digital tilt up, dUm is sent.

Commands Used for the CM9760-MDA

In the table below are listed additional ASCII style commands used in the development of the CM9760-MDA

All CM9760-MDA command use the lower case "a" terminator					
Upper Case Character		Lower Case Characters		Other Characters	
Character	Description	Character	Description	Character	Description
1Za	Set Date Style	c	Cable Compensation	|	Unit Identifier
2Za	Set Hour Style	f	Camera titles on / off	?	Query
		g	Time Date on / off		
		h	Character brightness		
		j	All Characters on / off		
		k	Soft Reset		
		wx	Horizontal characters position		
		wy	Vertical characters position		

Note: Some of the CM9760-MDA commands do not follow the ASCII protocol scheme. The horizontal and vertical characters position commands use two command characters instead of one. The Set Date Style and Set Hour Style commands use a byte following the lower case "a" terminator character for establishing the style.

The Query command, "?", is used by the personal computer CM9760-MDA setup application to obtain the current CM9760-MDA settings. If the setup application sends "?ha", the CM9760-MDA will respond with 0..7ha. In this example, the value preceding the h indicates the CM9760-MDA's current character brightness setting.

The unit identifier command, "|", is used to establish which unit the CM9760 personal computer setup application is addressing. Each command sent by the CM9760 personal computer setup application must be preceded by the unit identifier command. This is done to direct the command to the correct unit in the daisy chain.